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ABSTRACT

The postgraduate employment status of students graduated in all degree fields and degree levels from Pennsylvania postsecondary institutions in 1976 is presented. Where possible, the 1976 survey findings are compared with 1975 findings. Data for 45,915 graduates, or 51.4 percent of the graduates of institutions of higher education at all degree levels from 77 percent of Pennsylvania's postsecondary institutions in 1976 were used. As to employment success, results indicate a relatively strong demand for bachelor's degree graduates in computer and information sciences, health professions, engineering, business and management, library science and home economics. A weaker job market faced bachelor's degree graduates in such major disciplines as social studies, psychology, interdisciplinary studies, physical sciences, and biology. A considerably higher percentage of associate degree graduates pursued advanced degrees, and a much lower proportion were unemployed than was the case with baccalaureate degree graduates. At more advanced degree levels the employment picture was increasingly favorable. The appendix contains tables which supplement those in the text. (Author/SPG)

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POSTGRADUATION ACTIVITIES:

All Degree Levels In Pennsylvania 1976

Pennsylvania Department of Education 1977

POSTGRADUATION ACTIVITIES:
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October 1977

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Purpose

This study examines the employment in all degree levels in Pennsylvania institutions of higher education in 1976. The study seeks to answer such questions as:

...How many graduates were employed? Unemployed? Pursuing advanced degrees?

...How many employed graduates held jobs outside Pennsylvania?

...How many graduates held jobs for which they had prepared?

...What was the relative degree of employment success for graduates in each major discipline and degree field?

...What were the differences in postgraduation activities according to the type of institution?

Procedures

This report is based on data for 45,915 graduates, or 51.4 per cent of the graduates of institutions of higher education at all degree levels from 77 per cent of Pennsylvania's postsecondary institutions in 1976.

Results

Some findings related to the above questions follow:

Degree Level	Employed Full Time	Employed Part Time	Not Employed	Pursuing Advanced Degree	Of Full-Time Employed: Percentage Employed in Pa.	Of Full-Time Employed: Percentage Employed in Field Prepared
Associate	60.3	2.0	8.4	29.2	90.5	77.7
Bachelor's	59.3	4.5	18.8 [1]	17.4	72.6	72.1
Master's	81.0	2.0	7.3	9.7	75.7	90.5
Doctor's	86.9	1.8	5.3	6.0	44.4	93.7
First Prof.	92.6	1.3	1.9	4.2	60.5	98.6

As to employment success, results of the study indicated a relatively strong demand for bachelor's degree graduates in computer and information sciences, health professions, engineering, business and management, library science, and home economics.

A weaker job market faced bachelor's degree graduates in such major disciplines as social studies, psychology, interdisciplinary studies, physical sciences, and biology. A considerably higher percentage of associate degree graduates pursued advanced degrees, and a much lower proportion were unemployed than was the case with baccalaureate degree graduates.

At more advanced degree levels, the employment picture was increasingly favorable.

[1] Approximately 2.3 per cent of the respondents were not seeking employment (marriage, travel, illness, etc.).

INTRODUCTION

The increasing number of graduates from Pennsylvania institutions of higher education in recent years has made these graduates subjects of keen interest and analysis. This report presents the postgraduation employment status of students graduated in all degree fields and degree levels from Pennsylvania postsecondary institutions in 1976. The report also compares, where possible, the extensive 1976 survey findings with 1975 findings.

This report, authorized by the Office of Higher Education, Pennsylvania Department of Education, is the fourth in a series designed to supply information useful to students, counselors, and other educational planners and decision-makers.

PROCEDURES

Objectives

Answers to the following questions were sought: What proportion of graduates in each degree field and degree level were (1) employed in their fields of preparation, (2) employed in another field, (3) employed outside Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees? What is the employment status (compared with unemployment) of graduates for each field of study and degree level? What differences are there in these postgraduation activities by institutional type--state-owned, state-related, private state-aided, and private? How do the answers to these questions in 1976 compare with answers to comparable questions in 1975?

Methodology

The subjects of this study were those graduated between January 1976 and August 1976 from all degree programs in Pennsylvania institutions of higher education. In the summer of 1975 forms were sent by the Division of Research, Pennsylvania Department of Education, Harrisburg, to contact persons at each postsecondary institution. These were usually career services officers appointed by their institutions to cooperate in this study. Besides gathering the needed data, these contact persons were responsible for deciding whether employed graduates were working in their fields of preparation.

The 1976 data collection period varied from weeks to as much as six months after graduation, depending on the follow-up procedures established by each cooperating institution. Thus, the data reflect employment status relatively soon after graduation, generally about five months.

By the January 1977 due date, the Division of Research had received forms containing information about 45,915 graduates or 51.4 per cent of the 89,367 graduates of Pennsylvania institutions of higher education in 1976. Completed survey forms were received from 128 (77 per cent) of Pennsylvania's postsecondary institutions. All state-owned and community colleges participated in the study, as did 70 per cent or more of state-related, state-aided, and private colleges and universities. Theological seminaries and private junior colleges were not included in this study.

More complete statistics regarding graduates' major disciplines, degree levels and institutional categories can be found in the Appendix.

Validity of the Sample

In several prior studies of this series, no significant differences were found between graduates who responded to the survey and those who did not when follow-up surveys of the latter were made to determine the adequacy of the initial sampling. Since the present (1976) study is similar to those preceding it and has a higher response rate, we assume the sampling represented in this report is adequate to provide valid conclusions.

Type and Location of Employment

Results of this study are summarized in five tables presented in the body of this report. These five tables, one for each degree level, show postgraduation activities for all responding graduates in each of the 23 major disciplines.

More extensive tables in the Appendix give additional information about respondents' postgraduation employment by the various degree fields in each of the 23 major disciplines. These degree-field tables are organized by level of degree as well as by institutions categorized as state-owned, state-related, state-aided, and private.

The major disciplines and degree fields referred to in this report are used in the Higher Education General Information Survey (HEGIS) classification system.

The tables in the Appendix include an "all others" category which is the difference between the number of respondents and the number of graduates in each degree field. In tables where only the actual number of respondents is of concern, the "all others" category is deleted.

RESULTS

Postgraduation Status for Bachelor's Degree Graduates

Of the 30,029 baccalaureate respondents in 1976, 59.3 per cent were employed full time, 4.5 per cent part time, 18.8 per cent were unemployed at the time of the survey, and 17.4 per cent were pursuing advanced degrees.

Comparisons of those employed full time in 1975 and 1976 follows:

Year	Total Reporting Full Employment	Employed in Field Prepared	Employed Outside Field of Preparation	Employed in Pennsylvania	Employed Outside Pennsylvania
		%	%	%	%
1975	13,787	73.6	26.4	75.4	24.6
1976	17,795	72.1	27.9	72.6	27.4

Three-Year Comparison of Full-Time Employment for Bachelor's Graduates

Table 1 shows the postgraduation employment and educational status for baccalaureate graduates from the 23 major disciplines. Attention should be given as to how the percentages given after each major discipline are interrelated. For example, major disciplines with low full-time employment rates tend to have a high rate of graduates pursuing advanced degrees. Similarly the percentages given for those unemployed should be interpreted in this context.

Table 2 shows the ranks of the major disciplines from high to low according to the success of graduates in obtaining full-time employment in 1976. Also given are comparable ranks for baccalaureate graduates of 1974 and 1975.

Table 1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed[1]	Pursuing Advanced Degree
Agriculture and Natural Resources	469	154 (32.8)	105 (22.4)	49 (10.4)	18 (3.8)	14 (3.0)	63 (13.4)	66 (14.1)
Architecture and Environmental Design	115	45 (39.1)	10 (8.7)	8 (7.0)	4 (3.5)	7 (6.1)	23 (20.0)	18 (15.6)
Area Studies	31	1 (3.2)	1 (3.2)	11 (35.5)	5 (16.1)	-	3 (9.7)	10 (32.3)
Biological Sciences	1,644	191 (11.6)	101 (6.1)	212 (12.9)	67 (4.1)	44 (2.7)	283 (17.2)	746 (45.4)
Business and Management	4,571	1,812 (39.6)	783 (17.1)	509 (11.1)	149 (3.3)	125 (2.7)	883 (19.3)	310 (6.8)
Communications	445	135 (30.3)	48 (10.8)	77 (17.3)	23 (5.2)	39 (8.8)	79 (17.7)	44 (9.9)
Computer Sciences	178	92 (51.7)	43 (24.1)	6 (3.4)	1 (0.6)	2 (1.1)	19 (10.7)	15 (8.4)
Education	8,942	3,238 (36.2)	854 (9.6)	1,172 (13.1)	232 (2.6)	674 (7.5)	2,115 (23.7)	657 (7.3)
Engineering	1,597	516 (32.3)	581 (36.4)	29 (1.8)	46 (2.9)	9 (0.6)	174 (10.9)	241 (15.1)
Fine and Applied Arts	740	139 (18.8)	101 (13.6)	105 (14.2)	54 (7.3)	75 (10.1)	121 (16.4)	145 (19.6)
Foreign Language	363	40 (11.0)	31 (8.5)	72 (19.8)	37 (10.2)	15 (4.1)	71 (19.6)	97 (26.7)
Health Professions	1,413	872 (61.7)	181 (12.8)	25 (1.8)	11 (0.8)	21 (1.5)	122 (8.6)	181 (12.8)
Home Economics	437	169 (38.7)	74 (16.9)	42 (9.6)	20 (4.6)	14 (3.2)	81 (18.5)	37 (8.5)
Law	59	3 (5.1)	1 (1.7)	4 (6.8)	-	1 (1.7)	-	50 (84.7)
Letters	1,132	178 (15.7)	84 (7.4)	260 (23.0)	87 (7.7)	39 (3.4)	184 (16.3)	300 (26.5)
Library Science	104	36 (34.6)	16 (15.4)	19 (18.3)	3 (2.8)	5 (4.9)	18 (17.3)	7 (6.7)
Mathematics	593	164 (27.7)	128 (21.6)	60 (10.1)	24 (4.0)	8 (1.3)	81 (13.7)	128 (21.6)
Physical Sciences	896	152 (17.0)	110 (12.3)	59 (6.6)	17 (1.9)	20 (2.2)	91 (10.2)	447 (49.8)
Psychology	1,404	240 (17.1)	74 (5.3)	233 (16.6)	83 (5.9)	67 (4.7)	293 (20.9)	414 (29.5)
Public Affairs and Services	1,046	326 (31.2)	90 (8.6)	158 (15.1)	49 (4.7)	53 (5.1)	228 (21.8)	142 (13.5)
Social Sciences	3,118	506 (16.2)	186 (6.0)	568 (18.2)	225 (7.2)	98 (3.1)	600 (19.2)	935 (30.0)
Theology	205	45 (22.0)	40 (19.5)	24 (11.7)	10 (4.9)	4 (2.0)	12 (5.8)	70 (34.1)
Interdisciplinary Studies	527	95 (18.0)	39 (7.4)	70 (13.3)	27 (5.1)	14 (2.7)	112 (21.3)	170 (32.2)
GRAND TOTAL	30,029	9,149 (30.5)	3,682 (12.3)	3,772 (12.6)	1,192 (3.9)	1,348 (4.5)	5,656 (18.8)	5,230 (17.4)

[1]Based on extensive survey results from the baccalaureate class of 1974, 2.3 per cent of the respondents may be considered as not seeking employment due to marriage, travel, illness, etc.

Table 2

Per Cent of Baccalaureate Graduates with Full-Time Employment, Ranked by Major Discipline, 1976--Including Ranks for Graduates of 1974 and 1975

Major Discipline	Per Cent	Ranks by Year		
		1974	1975	1976
Computer & Information Science	79.8	2	3	1
Health Professions	77.1	3.5	5	2
Engineering	73.5	1	4	3
Business and Management	71.1	3.5	7	4.5
Library Sciences	71.2	5	6	4.5
Home Economics	69.8	12	8	6
Agriculture & Natural Resources	69.5	6	2	7
Communications	63.6	10	1	8
Mathematics	63.4	9	11.5	9
Education	61.5	8	10	10
Public Affairs & Services	59.6	11	9	11
Architecture & Environ. Design	58.3	13	11.5	12
Area Studies	58.1	19	22	13
Theology	58.0	7	13	14
Fine & Applied Arts	53.9	21	14	15
Letters	53.8	17	15	16
Foreign Language	49.6	22	16	17
Social Sciences	47.6	18	17	18
Psychology	44.9	16	19	19
Interdisciplinary Studies	43.8	14	18	20
Physical Sciences	37.7	20	20	21
Biological Sciences	34.7	23	21	22
Law (general)	13.6	15	23	23

Bachelor's Graduates Who Pursue Advanced Degrees

Table 3 ranks the 1976 baccalaureate graduates according to the percentage of graduates in each major discipline pursuing advanced degrees as their chief activity. A comparison of these findings with those of the previous table shows that the lowest ranked major disciplines in terms of members within the discipline having full-time employment are also among the highest ranked major disciplines in terms of the number of graduates within the discipline pursuing advanced degrees. One possible explanation for this observation is that disciplines such as psychology, biology, and the physical sciences require advanced study for their members to achieve acceptable professional status. Another possible explanation is that high unemployment tends to cause graduates to continue their education. Planners might consider occupational relevance of courses in major disciplines shown to have low full-time employment possibilities.

Table 3

Per Cent of Baccalaureate Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank	Major Discipline	Per Cent	Rank
Law	84.7	1	Architecture	15.6	13
Physical Sciences	49.8	2	Engineering	15.1	14
Biological Sciences	45.4	3	Agriculture	14.1	15
Theology	34.1	4	Public Affairs & Ser.	13.5	16
Area Studies	32.3	5	Health Professions	12.8	17
Inter. Studies	32.2	6	Communications	9.9	18
Social Sciences	30.0	7	Home Economics	8.5	19
Psychology	29.5	8	Computer & Info. Sci.	8.4	20
Foreign Languages	26.7	9	Education	7.3	21
Letters	26.5	10	Business & Management	6.8	22
Mathematics	21.6	11	Library Sciences	6.7	23
Fine Arts	19.6	12			

Bachelor's Graduates Employed in Their Fields of Preparation

Table 4 indicates by rank the relative success of baccalaureate graduates in securing positions related to their undergraduate majors. These rankings have a substantial (.57) positive correlation with those previously given for full-time employment. Not only do those with lower employment success tend to continue their education, but they also have more difficulty finding employment highly related to their fields of preparation.

Table 4

Per Cent of Full-Time Employed Baccalaureate Graduates Working in Field of Preparation, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank	Major Discipline	Per Cent	Rank
Health Professions	96.7	1	Public Affairs & Ser.	66.8	13
Computer & Info. Sci.	95.1	2	Communications	64.7	14
Engineering	93.6	3	Fine & Applied Arts	60.[illegible]	15
Arch. & Environ. Des.	82.1	4	Inter. Studies	58.0	16
Business & Management	79.8	5	Biological Sciences	51.1	17
Home Economics	79.7	6	Law (general)	50.0	18
Agri. & Natural Res.	79.4	7	Psychology	49.8	19
Physical Sciences	77.5	8	Social Sciences	46.6	20
Mathematics	77.7	9	Letters	43.0	21
Education	74.5	10	Foreign Languages	39.4	22
Theology	71.4	11	Area Studies	11.1	23
Library Science	70.3	12			

Bachelor's Degree Graduates Employed in Pennsylvania

Of the baccalaureate graduates in full-time employment, Table 5 ranks the percentage of graduates in each major discipline who accepted employment in Pennsylvania.

Table 5 indicates that graduates of disciplines such as health, education, and law tend to find a high degree of employment within the state. Those in such fields as mathematics, theology, and engineering find a high degree of employment outside the state.

Table 5

Per Cent of Full-Time Employed Baccalaureate Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank	Major Discipline	Per Cent	Rank
Health Professions	92.7	1	Biological Sciences	70.6	13
Law (general)	87.5	2	Home Economics	69.2	14
Education	80.2	3	Computer & Info. Sci.	69.0	15
Public Affairs & Ser.	77.7	4	Area Studies	66.7	16
Communications	74.9	5	Physical Sciences	62.4	17
Architecture	79.1	6	Agri. & Natural Res.	62.3	18
Psychology	75.1	7	Foreign Languages	62.2	19
Library Science	74.3	8	Fine & Applied Arts	61.2	20
Social Sciences	72.3	9	Mathematics	59.6	21
Letters	71.9	10	Theology	58.0	22
Inter. Studies	71.4	11	Engineering	46.5	23
Business & Management	71.3	12			

Postgraduation Status for Master's Degree Graduates

Table 6 gives the postgraduation status of the 4,153 master's degree recipients in 22 major disciplines. In 1976, 81.0 per cent were employed on a full-time basis, 2.0 per cent on a part-time basis, 7.3 per cent were unemployed, and 9.7 per cent were pursuing advanced degrees.

In 1976, 90.5 per cent of full-time employed master's graduates held jobs related to their major fields of study, which represents a 3 per cent increase over the previous year. Of the full-time employed in 1976, 75.7 per cent held jobs in Pennsylvania, a 3.1 per cent decline from the previous year.

A comparison between the postgraduation characteristics for both the master's and bachelor's degree graduates of 1976 generally favors the master's degree graduates, as is shown in the following:

Degree Level	Year	Total Reported	Employed Full Time	Employed Part Time	Unemployed	Pursuing Advanced Degree
			%	%	%	%
Bachelor's	1976	30,029	59.3	4.5	18.8[1]	17.4
Master's	1976	4,153	81.0	2.0	7.3	9.7

[1] Approximately 2.3 per cent of the respondents were not seeking employment (marriage, travel, illness, etc.).

Table 6

Employment Status by Major Discipline for Master's Degree Recipients for All Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	19	5 (26.3)	4 (21.1)	2 (10.5)	1 (5.3)	-	1 (5.3)	6 (31.5)
Architecture and Environmental Design	17	4 (23.5)	8 (47.1)	-	1 (5.9)	-	3 (17.6)	1 (5.9)
Area Studies	3	1 (33.3)	-	1 (33.3)	-	1 (33.3)	-	-
Biological Sciences	85	28 (32.9)	10 (11.8)	6 (7.1)	2 (2.4)	-	4 (4.7)	35 (41.1)
Business and Management	384	178 (46.4)	125 (32.5)	24 (6.3)	10 (2.6)	1 (0.3)	34 (8.8)	12 (3.1)
Communications	38	21 (55.3)	1 (2.6)	5 (13.2)	5 (13.2)	-	6 (15.7)	-
Computer Sciences	32	13 (40.6)	8 (25.0)	3 (9.4)	1 (3.1)	-	2 (6.3)	5 (15.6)
Education	2,248	1,549 (68.9)	248 (11.0)	132 (5.9)	37 (1.6)	59 (2.6)	120 (5.3)	103 (4.6)
Engineering	193	52 (26.9)	65 (33.7)	2 (1.0)	3 (1.6)	-	11 (5.7)	60 (31.1)
Fine and Applied Arts	87	36 (41.4)	21 (24.1)	3 (3.4)	-	4 (4.6)	11 (12.6)	12 (13.8)
Foreign Languages	25	8 (32.0)	2 (8.0)	2 (8.0)	1 (4.0)	2 (8.0)	6 (24.0	4 (16.0)
Health Professions	126	57 (45.2)	36 (28.6)	-	3 (2.4)	1 (0.8)	11 (8.7)	18 (14.3)
Home Economics	7	-	2 (28.6)	-	-	1 (14.3)	-	4 (57.1)
Law	-	-	-	-	-	-	-	-
Letters	101	41 (40.6)	6 (5.9)	12 (11.9)	-	4 (4.0)	10 (9.9)	28 (27.7)
Library Science	87	46 (52.9)	13 (14.9)	1 (1.1)	4 (4.6)	2 (2.3)	13 (14.9)	8 (9.2)
Mathematics	56	28 (50.0)	13 (23.2)	-	4 (7.1)	1 (1.8)	-	10 (17.9)
Physical Sciences	77	20 (26.0)	24 (31.2)	1 (1.3)	1 (1.3)	-	6 (7.8)	25 (32.4)
Psychology	90	35 (38.9)	15 (16.7)	3 (3.3)	1 (1.1)	2 (2.2)	10 (11.1)	24 (26.7)
Public Affairs and Services	298	112 (37.5)	107 (36.2)	17 (5.7)	9 (3.0)	4 (1.3)	35 (11.7)	14 (4.6)
Social Sciences	147	63 (42.9)	10 (6.8)	12 (8.2)	9 (6.1)	3 (2.0)	18 (12.2)	32 (21.8)
Theology	4	3 (75.0)	1 (25.0)	-	-	-	-	-
Interdisciplinary Studies	29	20 (69.0)	5 (17.2)	1 (3.4)	-	-	2 (6.9)	1 (3.4)
GRAND TOTAL	4,153	2,320 (55.9)	724 (17.4)	227 (5.5)	92 (2.2)	85 (2.0)	303 (7.3)	402 (9.7)

Of the bachelor's and master's degree graduates employed on a full-time basis in 1976, the following comparisons can be made.

Degree Level	Year	Total Reported	Employed Full Time in Field of Preparation	Employed Full Time in Pennsylvania
			%	%
Bachelor's	1976	17,795	72.1	72.6
Master's	1976	3,363	90.5	75.7

Comparisons between the data for master's degree graduates of the various major disciplines for 1975 and 1976 proved somewhat inconclusive due to the relatively small number of respondents in 1975, and for this reason will not be treated in this report.

Full-Time Employment for Master's Degree Graduates

The relative success of master's graduates in obtaining full-time employment is indicated in Table 7. In this table graduates in each major discipline are ranked from high to low according to the proportion of graduates in each discipline with full-time employment. Theology is ranked highest and this is chiefly due to the small number of respondents, all with full-time employment.

These full-time employment results can be examined in at least two ways: (1) By taking these results at their face value in portraying postgraduation activities; (2) by comparing the relative employment success of graduates at different degree levels. In the latter case, such comparison gives, in one sense, a follow-up dimension.

Table 7

Per Cent of Master's Graduates with Full-Time Employment Ranked by Major Discipline, 1976, with Comparable Bachelor's Degree Rankings

Major Discipline	Per Cent	Bach. Rank	Master's Rank	Major Discipline	Per Cent	Bach. Rank	Master's Rank
Theology	100.0	14	1	Fine & App.Arts	69.0	15	12
Inter. Studies	89.7	20	2	Area Studies	66.7	13	13
Bus. & Mgt.	87.8	4.5	3	Social Sci.	63.9	18	14
Education	87.5	10	4	Agriculture	63.2	7	15.5
Communications	84.2	8	5	Engineering	63.2	3	15.5
Pub. Aff. & Ser.	82.2	11	6	Psychology	60.0	19	17
Math.	80.4	9	7	Physical Sci.	59.7	21	18
Comp. & Inf. Sci.	78.1	1	8	Letters	58.4	16	19
Arch. & Envi. Des.	76.5	12	9	Biology	54.1	22	20
Health Prof.	76.2	2	10	Foreign Lang.	52.0	17	21
Library Sci.	73.6	4.5	11	Home Economics	28.6	6	22

Master's Graduates Who Pursue Advanced Degrees

Table 8 gives the proportions (by order of rank) of master's graduates in each major discipline who pursued advanced degrees in 1976. Comparable ranks are included for baccalaureate graduates pursuing advanced degrees in 1976. This comparison

of ranks shows some interesting facts. For instance, relatively few home economics majors enter master's programs, but of those that do a high proportion go on for the doctorate. Relatively high percentages of biology majors enter both master's and doctoral programs.

Table 8

Per Cent of Master's Graduates Pursuing Advanced Degrees Ranked by Major Discipline, 1976, with Comparable Bachelor's Degree Rankings

Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank	Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank
Home Economics	57.1	18	1	Health Prof.	14.3	16	12
Biology	41.1	2	2	Fine & App. Arts	13.8	11	13
Phy. Sci.	32.4	1	3	Library Sci.	9.2	22	14
Agriculture	31.5	14	4	Arch.	5.9	12	15
Engineering	31.1	13	5	Education	4.6	20	16.5
Letters	27.7	9	6	Pub. Aff. & Ser.	4.6	19	16.5
Psychology	26.7	7	7	Inter. Studies	3.4	5	18
Social Sciences	21.8	6	8	Bus. & Mgt.	3.1	21	19
Math.	17.9	10	9	Area Studies	0.0	4	21
Foreign Lang.	16.0	8	10	Communications	0.0	17	21
Comp. & Inf. Sci.	15.6	19	11	Theology	0.0	3	21

[1]Reranked for those areas for which both bachelor's and master's data are available.

Master's Graduates Employed in Their Fields of Preparation

Of those with full-time employment, Table 9 ranks the proportion of master's graduates in each major discipline who are employed in their fields of preparation. Ranks from Table 4 for baccalaureate graduates are also included in Table 9. By using both rankings it is possible to approximate the relative standing of the baccalaureate and master's graduates with respect to the proportion of each employed in his or her field of preparation. For example, baccalaureate graduates in psychology rank rather low in terms of being able to find employment in their fields of preparation, but rank much higher in this respect at the master's level.

Table 9

Per Cent of Full-Time Employed Master's Graduates Employed in Their Fields of Preparation and Ranked by Major Discipline, 1976, with Comparable Bachelor's Degree Rankings

Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank	Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank
Home Economics	100.0	6	1.5	Math.	91.1	9	12
Theology	100.0	11	1.5	Bus. & Man.	89.9	5	13
Health Prof.	96.9	1	3	Pub. Affairs	89.4	13	14
Inter. Studies	96.2	16	4	Comp. & Inf. Sci.	84.0	2	15
Engineering	95.9	3	5	Biological Sci.	82.6	17	16
Physical Sci.	95.7	8	6	Letters	79.7	20	17
Fine & App. Arts	95.0	15	7	Soc. Sci.	77.7	19	18
Psychology	92.6	18	8	Foreign Lang.	76.9	21	19
Arch. & Envir. Des.	92.3	4	9	Agri. & Nat. Res.	75.0	7	20
Library Sci.	92.2	12	10	Communications	68.6	14	21
Education	91.4	10	11	Area Studies	50.0	22	22

[1]Reranked for those areas for which both bachelor's and master's data are available.

Master's Graduates Employed in Pennsylvania

Of those with full-time employment, Table 10 shows the proportion of master's degree graduates in each discipline who accepted employment in Pennsylvania in 1976. Ranks from the comparable baccalaureate table for 1976 are included in Table 10. By including bachelor's level rankings, it is possible to compare the proportion of baccalaureate and master's graduates in each major discipline who accepted full-time employment in Pennsylvania. For instance, while a high percentage of health majors graduating at the baccalaureate level accepted employment in Pennsylvania, the percentage was much lower for master's graduates in this field.

Table 10

Per Cent of Full-Time Employed Master's Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1976, with Rankings Compared to Bachelor's Degree Rankings

Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank	Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank
Area Studies	100.0	15	1	Fine & App. Arts	65.0	19	12
Letters	89.8	9	2	Comp. & Inf. Sci.	64.0	14	13
Education	85.5	2	3	Mathematics	62.2	20	14
Communications	81.3	4	4	Bus. & Man.	59.9	11	15
Inter. Studies	80.8	10	5	Health Prof.	59.4	1	16
Social Sci.	79.8	8	6	Agri. & Nat. Sci.	58.3	17	17
Foreign Lang.	76.9	18	7	Pub. Aff. & Ser.	52.7	3	18
Theology	75.0	21	8	Physical Sci.	45.7	16	19
Biology	73.9	12	9	Engineering	44.3	22	20
Library Sci.	73.4	7	10	Arch. & Envir. Res.	30.8	5	21
Psychology	70.4	6	11	Home Economics	0.0	13	22

[1]Reranked for those areas for which both bachelor's and master's data are available.

Postgraduation Status for Doctor's Degree Recipients

Table 11 gives the postgraduation outcomes for 453 persons receiving doctoral degrees from Pennsylvania institutions in 1976. Of these, 86.9 had full-time employment, 1.8 per cent held part-time positions, 5.3 per cent were unemployed at the time of the survey, and 6.0 per cent were pursuing advanced degrees.

This table shows that of all the doctoral graduates in 1976 employed on a full-time basis, 93.7 per cent were employed in their fields of preparation. This represents a 1.8 per cent increase over 1975 for this category. Further, 44.4 per cent of the full-time employed doctoral graduates remained in Pennsylvania. This is a drop of 7.3 per cent from those remaining in Pennsylvania in 1975.

A comparison of postgraduation employment for bachelor's, master's, and doctoral degree graduates in 1976 generally favors doctoral graduates as follows:

Degree Level	Year	Total Reported	Employed Full Time	Employed Part Time	Unemployed	Pursuing Advanced Degree
			%	%	%	%
Bachelor's	1976	30,029	59.3	4.5	18.8[1]	17.4
Master's	1976	4,153	81.0	2.0	7.3	9.7
Doctoral	1976	453	86.9	1.8	5.3	6.0

[1]Approximately 2.3 per cent of the respondents were not seeking employment (marriage, travel, illness, etc.).

Table 11

Employment Status by Major Discipline for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Studies
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	8	1 (12.5)	5 (62.5)	1 (12.5)	1 (12.5)	-	-	-
Architecture and Environmental Design	-	-	-	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	35	10 (28.6)	14 (40.0)	1 (2.9)	-	-	2 (5.7)	8 (22.9)
Business and Management	13	5 (38.5)	8 (61.5)	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Computer Sciences	9	2 (22.2)	7 (77.7)	-	-	-	-	-
Education	178	82 (46.1)	66 (37.1)	6 (3.4)	5 (2.8)	3 (1.7)	7 (3.9)	9 (5.0)
Engineering	47	17 (36.2)	27 (57.4)	1 (2.1)	-	-	2 (4.3)	-
Fine and Applied Arts	4	2 (50.0)	1 (25.0)	1 (25.0)	-	-	-	-
Foreign Language	4	1 (25.0)	1 (25.0)	-	-	-	2 (50.0)	-
Health Professions	10	4 (40.0)	5 (50.0)	-	-	-	1 (10.0)	-
Home Economics	3	-	3 (100.0)	-	-	-	-	-
Law	-	-	-	-	-	-	-	-
Letters	14	6 (42.9)	4 (28.6)	1 (7.1)	-	1 (7.1)	2 (14.3)	-
Library Science	3	1 (33.3)	2 (66.6)	-	-	-	-	-
Mathematics	9	3 (33.3)	6 (66.6)	-	-	-	-	-
Physical Sciences	43	8 (18.6)	21 (48.8)	-	4 (9.3)	1 (2.3)	3 (7.0)	6 (14.0)
Psychology	30	12 (40.0)	10 (33.3)	-	1 (3.3)	2 (6.7)	3 (10.0)	2 (6.7)
Public Affairs and Services	16	3 (18.8)	11 (68.8)	-	2 (12.5)	-	-	-
Social Sciences	25	7 (28.0)	12 (48.0)	-	1 (4.0)	1 (4.0)	2 (8.0)	2 (8.0)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	2	-	2 (100.0)	-	-	-	-	-
GRAND TOTAL	453	164 (36.2)	205 (45.2)	11 (2.4)	14 (3.1)	8 (1.8)	24 (5.3)	27 (6.0)

Of the graduates at the three degree levels who were employed full time in 1976, the following comparisons can be made.

Degree Level	Year	Total Reported	Employed Full Time in Field of Preparation	Employed Full Time in Pennsylvania
			%	%
Bachelor's	1976	17,795	72.1	72.6
Master's	1976	3,363	90.5	75.7
Doctoral	1976	394	93.7	44.4

Full-Time Employment for Doctoral Graduates

Table 12 ranks the percentage of doctoral graduates in each major discipline who had full-time employment and compares them to other degree levels. Although doctoral graduates have a high rate of employment, the rankings indicate that six disciplines generally occupy correspondingly low ranks at all degree levels. Also the three sets of rankings indicate that graduates in several fields improved in full-time employment at the doctoral level.

Table 12

Per Cent of Doctoral Graduates with Full-Time Employment, Ranked by Major Discipline, 1976, with Comparable Bachelor's and Master's Degree Rankings

Major Discipline	Per Cent	Bach. Rank[1]	Master's Rank	Doctoral Rank
Agriculture and Natural Resources	100.0	7	11.5	5
Business and Management	100.0	4.5	2	5
Computer and Information Sciences	100.0	1	6	5
Fine and Applied Arts	100.0	11	9	5
Home Economics	100.0	6	17	5
Interdisciplinary Studies	100.0	16	1	5
Library Science	100.0	4.5	8	5
Mathematics	100.0	8	5	5
Public Affairs and Services	100.0	10	4	5
Engineering	95.7	3	11.5	10
Health Professions	90.0	2	7	11
Education	89.3	9	3	12
Social Sciences	80.0	14	10	13
Letters	78.6	12	15	14
Physical Sciences	76.7	17	14	15.5
Psychology	76.7	15	13	15.5
Biological Sciences	71.4	18	16	17
Foreign Languages	50.0	13	18	18

[1]Reranked for those areas for which bachelor's, master's and doctoral data are available.

Doctoral Graduates Employed in Their Fields of Preparation

Table 13 shows the high proportion of employed doctoral graduates working in their fields of preparation. Examination of these proportions and the ranks of graduates in each discipline indicates that education beyond the master's level pays off in terms of a high probability of employment in an occupation related to the graduate's field of preparation.

Table 13

Per Cent of Full-Time Employed Doctoral Graduates Working in Field of Preparation, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank	Major Discipline	Per Cent	Rank
Bus. & Man.	100.0	4.5	Biological Sci.	96.0	10
Comp. & Inf. Sci.	100.0	4.5	Psychology	95.7	11
Foreign Lang.	100.0	4.5	Social Sciences	95.0	12
Health Prof.	100.0	4.5	Education	93.1	13
Home Economics	100.0	4.5	Letters	90.9	14
Inter. Studies	100.0	4.5	Physical Sci.	87.9	15
Lib. Sci.	100.0	4.5	Pub. Aff. & Ser.	87.5	16
Math.	100.0	4.5	Agr. & Nat. Res.	75.0	17.5
Engineering	97.8	9	Fine & App. Arts	75.0	17.5

Doctoral Graduates Employed in Pennsylvania

Table 14 shows the proportion of doctoral graduates having full-time employment in Pennsylvania after their graduation in 1976. Comparisons with comparable baccalaureate and master's rankings show relatively stable rank positions for graduates at all degree levels for the following major disciplines: education, psychology, biological sciences, business and management, mathematics, agriculture and natural resources, physical sciences, and computer and information sciences.

Table 14

Per Cent of Full-Time Employed Doctoral Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank	Major Discipline	Per Cent	Rank
Fine & App. Arts	75.0	1	Social Sciences	35.0	10
Education	55.3	2	Library Sciences	33.3	11.5
Letters	53.6	3	Mathematics	33.3	11.5
Psychology	52.2	4	Agri. & Nat. Res.	25.0	13
Foreign Lang.	50.0	5	Phy. Sci.	24.2	14
Health Prof.	44.4	6	Comp. & Inf. Sci.	22.2	15
Biological Sci.	44.0	7	Pub. Aff. & Ser.	18.8	16
Engineering	40.0	8	Home Economics	0.0	17.5
Bus. & Man.	38.5	9	Inter. Studies	0.0	17.5

Doctoral Graduates Pursuing Advanced Study

Doctoral graduates in five major disciplines are shown in Table 11 as pursuing advanced studies in the following percentages: biological sciences, 22.9; physical sciences, 14.0; social sciences, 8.0; psychology, 6.7; education, 5.0. In comparison,

Table 15

Employment Status by Major Discipline for First-Professional Degree Recipients for All Institutions in Pennsylvania, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Studies
Dentistry (D.D.S. or D.M.D. degree)	374	160 (42.8)	106 (28.3)	-	-	10 (2.7)	-	98 (26.2)
Medicine (M.D. degree)	916	505 (55.1)	410 (44.8)	-	-	-	-	1 (0.1)
Optometry (O.D. degree)	119	43 (36.1)	59 (49.6)	-	1 (0.8)	9 (7.6)	7 (5.9)	-
Osteopathic Medicine (D.O. degree)	182	95 (52.2)	87 (47.8)	-	-	-	-	-
Podiatry (Pod.D. or D.P.) or Podiatric Medicine (D.P.M.) including Chiropody	64	36 (56.3)	28 (43.7)	-	-	-	-	-
Veterinary Medicine (D.V.M. degree)	-	-	-	-	-	-	-	-
Law, general (LL.B. or J.D. degree)	933	588 (63.0)	245 (26.3)	24 (2.6)	9 (0.9)	15 (1.6)	43 (4.6)	9 (1.0)
Theology Professions, gen.	-	-	-	-	-	-	-	-
Other (Unspecified)	5	2 (40.0)	3 (60.0)	-	-	-	-	-
GRAND TOTAL	2.593	1,429 (55.1)	938 (36.2)	24 (0.9)	10 (0.4)	34 (1.3)	50 (1.9)	108 (4.2)

graduates in the biological and physical sciences pursuing advanced degrees at the baccalaureate and master's levels were in the second and third highest ranks in relation to continuing their education, while graduates in social sciences and psychology ranked seventh and eighth. Graduates in education were at the 21st rank for baccalaureates and the 16th rank for master's levels.

Postgraduation Status of First-Professional Degree Graduates

In terms of the postgraduation status of the 2,593 recipients of first-professional degrees included in Table 15, 92.6 per cent were reported employed, 1.3 per cent were employed part time, 1.9 per cent were unemployed, and 4.2 per cent were pursuing advanced studies.

Of the first professional graduates (medicine, law, etc.) with full-time employment in 1976, 98.6 per cent were employed in their fields of preparation, and 60.5 per cent remained in Pennsylvania, an increase over 1975 of 3.3 per cent and 1.9 per cent respectively.

Full-Time Employment for First-Professional Degree Graduates

Table 16 ranks the percentage of first-professional degree graduates in each field or specialty who were reported in full-time employment after receiving their degreees. These percentages are virtually the same as those for 1975, but a higher percentage of dentists (28.5) continued further studies in 1976, which in effect lowered the proportion with full-time employment this year.

Table 16

Per Cent of First-Professional Degree Graduates with Full-Time Employment, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank
Osteopathy	100.0	1.5
Podiatry	100.0	1.5
Medicine (M.D.)	99.9	3
Law	92.8	4
Optometry	86.5	5
Dentistry	71.1	6

First-Professional Graduates Employed in Specialty

Table 17 gives the rank for each major discipline in terms of the percentage of graduates having full-time employment in their professional specialty. Compared with last year's results, medicine, osteopathy, and podiatry were the same; podiatry, dentistry, and law increased in the proportion of graduates employed in their fields of preparation.

Table 17

Per Cent of Full-Time Employed First-Professional Graduates Employed in Their Field of Preparation, Ranked by Major Discipline

Major Discipline	Per Cent	Rank
Dentistry	100.0	2.5
Medicine	100.0	2.5
Osteopathy	100.0	2.5
Podiatry	100.0	2.5
Optometry	99.0	3.5
Law	96.2	4.6

First-Professional Graduates Employed in Pennsylvania

Of the first-professional degree graduates with full-time employment, the proportions of graduates in each major discipline employed in Pennsylvania are ranked from high to low in Table 18. The percentage of those employed in Pennsylvania showed an increase in every category except law and optometry, which showed slight decreases. There was an average increase of seven per cent between 1974 and 1976 in the number of graduates employed in Pennsylvania for the remaining five disciplines.

Table 18

Per Cent of Full-Time Employed First-Professional Degree Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank
Law	70.7	1
Dentistry	60.2	2
Podiatry	56.3	3
Medicine (M.D.)	55.2	4
Osteopathy[1]	52.2	5
Optometry	42.2	6

[1]Special conditions relating to internships and entrance into federal service account for some of the relatively high percentage of out-of-state employment for first-professional graduates. An example is the American Osteopathic Association's requirement of an AOA approved internship before graduates can seek certification within a specialty in their professions. This requires a large proportion of graduates in osteopathic medicine to spend their first year following graduation out of state at AOA approved internship programs.

First-Professional Graduates Who Pursue Advanced Studies

Table 15 shows that first-professional graduates in only the three following areas pursued advanced studies immediately upon graduation: dentistry (26.2 per cent), medicine (0.1 per cent), and law (1.0 per cent).

Table 19

Employment Status by Major Discipline for Associate Degree Recipients for All Institutions in Pennsylvania, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Studies
Data Processing Technologies	381	198 (52.0)	23 (6.0)	39 (10.2)	2 (0.5)	6 (1.6)	64 (16.8)	49 (12.9)
Health Services & Para-Medical Technologies	1,411	1,065 (75.5)	60 (4.3)	42 (3.0)	1 (0.07)	39 (2.8)	62 (4.4)	142 (10.1)
Mechanical & Engineering Technologies	2,004	900 (44.9)	278 (13.9)	197 (9.8)	17 (0.8)	33 (1.6)	234 (11.7)	345 (17.2)
Natural Science Technologies	168	67 (39.9)	3 (1.8)	40 (23.8)	7 (4.2)	6 (3.6)	18 (10.7)	27 (16.1)
Business & Commerce Technologies	2,204	1,339 (60.8)	62 (2.8)	162 (7.4)	14 (0.6)	50 (2.3)	212 (9.6)	365 (16.6)
Public Service-Related Technologies	683	309 (45.2)	22 (3.2)	73 (10.7)	2 (0.3)	13 (1.9)	81 (11.9)	183 (26.8)
Arts and Science Transfers	1,836	198 (10.8)	5 (0.3)	120 (6.5)	1 (0.05)	29 (1.6)	61 (3.2)	1,422 (77.5)
GRAND TOTAL	8,687	4,076 (46.9)	453 (5.2)	673 (7.7)	44 (0.5)	176 (2.0)	732 (8.4)	2,533 (29.2)

Postgraduation Status of Associate Degree Graduates

Results of the postgraduation activities survey of associate degree graduates are summarized in Table 19. This table shows 60.3 per cent of associate degree graduates with full-time employment, 2.0 per cent employed part time, 8.4 per cent unemployed, and 29.2 per cent pursuing advanced degrees.

In 1976, 86.3 per cent of associate degree graduates with full-time employment were employed in occupations related to their major disciplines, with 90.5 per cent remaining in Pennsylvania. These proportions in 1975 were 86.9 and 90.1, respectively.

In Table 20 the success of associate degree graduates in obtaining full-time employment is ranked from high to low. When compared with data for 1975, it was found that employment was up for associate graduates in three major disciplines and down for those in four major disciplines. Employment was up in these disciplines by the following percentages: health technologies, 2.8; natural science technologies, 6.4; public service-related technologies, 9.3. Employment was down by the following percentages in these disciplines: business and commerce, 3.5; arts and sciences, 3.5; mechanical and engineering technologies, 5.3; data processing, 6.2.

Table 20
Per Cent of Associate Degree Graduates with Full-Time Employment, Ranked by Major Disciplines, 1976

Major Disciplines	Per Cent	Rank
Health Ser. & Para-Medical Tech.	82.8	1
Business and Commerce Tech.	71.6	2
Natural Science Tech.	69.7	3
Mechanical & Engineering Tech.	69.4	4
Data Processing Tech.	68.7	5
Public Service-Related Tech.	59.4	6
Arts and Science Transfers	17.7	7

Associate Degree Graduates Pursuing Advanced Degrees

Table 21 ranks the percentage of associate degree graduates in each major discipline pursuing advanced degrees in 1976. Virtually the same percentage of associate degree graduates pursued advanced degrees in 1976 as in 1975 in arts and sciences, business and commerce, and health. There were slight increases in graduates in mechanical and engineering technologies (up 4.4 per cent) and data processing (up 3.8 per cent) who pursued advanced degrees. Major disciplines showing declines in percentages of those pursuing advanced degrees were natural science technologies (down 14.6 per cent) and public service-related technologies (down 12.9 per cent).

Table 21

Per Cent of Associate Degree Graduates Pursuing Advanced Degrees, Ranked by Major Disciplines, 1976

Major Disciplines	Per Cent	Rank
Arts & Science Transfers	77.5	1
Public Services-Related Tech.	26.8	2
Mechanical & Engineering Tech.	17.2	3
Business & Commerce Tech.	16.6	4
Natural Science Tech.	16.1	5
Data Processing Tech.	12.9	6
Health Ser. & Para-Medical Tech.	10.1	7

Associate Degree Graduates Employed in Their Fields of Preparation

Table 22 gives the percentage of those having full-time employment in their fields of preparation after graduation in 1976. The proportion of graduates employed in their fields of preparation in 1976 at virtually the same proportion as reported in 1975 were in the following technologies: health, mechanical and engineering, public service, and arts and sciences. Three major disciplines with declines in graduates employed in their fields of preparation were business and commerce (down 3.3 per cent), data processing (down 4.3 per cent) and natural sciences (down 29.7 per cent). The large drop in job relatedness of natural science graduates is probably due to the small sample size rather than to actual conditions.

Table 22

Per Cent of Full-Time Employed Associate Degree Graduates Employed in Their Field of Preparation, Ranked by Major Discipline, 1976

Major Discipline	Per Cent	Rank
Health Services & Para-Med. Tech.	96.3	1
Business & Commerce Tech.	88.8	2
Mechanical & Engineering Tech.	84.6	3
Data Processing Tech.	84.4	4
Public Services-Related Tech.	81.5	5
Arts and Sciences Transfers	62.7	6
Natural Sciences Tech.	59.8	7

Associate Degree Graduates Employed in Pennsylvania

Table 23 shows the percentage of all employed associate-degree graduates employed in Pennsylvania in 1976. Graduates of mechanical and public-service technologies remained in Pennsylvania in the same proportions for both 1975 and 1976. Increases in the proportion of those employed in Pennsylvania occurred for graduates in arts and sciences (up 6.8 per cent), business and commerce (up 4.2 per cent) and mechanical technologies (up 1.3 per cent). Major disciplines whose graduates experienced slight declines in terms of those employed in Pennsylvania between 1975 and 1976 were natural science technologies (down 5.7 per cent), data processing (down 4.7 per cent), and health (down 2.7 per cent).

Table 23

Per Cent of Full-Time Employed Associate Degree Graduates Employed in Pennsylvania, Ranked by Major Disciplines, 1976

Major Disciplines	Per Cent	Rank
Arts & Science Transfers	98.1	1
Business & Commerce Tech.	95.2	2
Health Ser. & Para-Medical Tech.	94.8	3
Public Services-Related Tech.	94.1	4
Natural Sciences Tech.	91.5	5
Data Processing Tech.	90.5	6
Mechanical & Engineering Tech.	78.8	7

Data Summary: All Respondents, Degree Levels, Institutions

The overall findings in this report are summarized in Table 24. The postgraduation activities are given for graduates in each higher education and degree level. Highlights from Table 24 below reveal at a glance the postgraduation employment status of all respondents at each degree level.

Degree Level	Year	Total Reported	Employed Full-Time	Employed Part-Time	Unemployed	Pursuing Advanded Degree
			%	%	%	%
Associate	1976	8,687	60.3	2.0	8.4	29.2
Bachelor's	1976	30,029	59.3	4.5	18.8[1]	17.4
Master's	1976	4,153	81.0	2.0	7.3	9.7
Doctoral	1976	453	87.0	1.8	5.3	6.0
First-Prof.	1976	2,593	92.6	1.3	1.9	4.2
Grand Total	1976	45,915	63.6	3.6	14.7	18.1

Table 24 indicates that of the graduates having full-time employment, the following proportions in each degree level are employed in their fields of preparation and in Pennsylvania.

Degree Level	Year	Total Reported	Employed Full-Time in Field of Preparation	Employed Full-Time in Pennsylvania
			%	%
Associate	1976	5,246	77.7	90.5
Bachelor's	1976	17,795	72.1	72.6
Master's	1976	3,363	90.5	75.7
Doctoral	1976	394	93.7	44.4
First-Prof.	1976	2,401	98.6	60.5
Grand Total	1976	29,199	79.2	74.8

[1] Approximately 2.3 per cent of the respondents were not seeking employment (marriage, travel, illness, etc.).

Table 24.0

Employment Status by Degree Level and Institutional Sector

Degree Levels & Institutional Sectors	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Unemployed	Pursuing Advanced Degree
		In Fa.	Outside Fa.	In Fa.	Outside Fa.			
Bachelor's Degree								
State-Owned	10,064	3,328 (33.1)	879 (8.7)	1,515 (15.1)	275 (2.7)	470 (4.7)	2,798 (27.8)	799 (7.9)
State-Related	7,210	1,869 (25.9)	817 (11.3)	950 (13.2)	259 (3.6)	485 (6.7)	1,223 (17.0)	1,607 (22.3)
State-Aided	1,555	840 (54.0)	309 (19.9)	78 (5.0)	31 (2.0)	41 (2.6)	165 (10.6)	91 (5.9)
Private	11,200	3,112 (27.8)	1,677 (15.0)	1,229 (11.0)	627 (5.6)	352 (3.1)	1,470 (13.1)	2,733 (24.4)
Subtotal	30,029	9,149 (30.5)	3,682 (12.3)	3,772 (12.6)	1,192 (3.9)	1,348 (4.5)	5,656 (18.8)[1]	5,230 (17.4)
Master's Degree								
State-Owned	1,487	1,023 (68.8)	194 (13.0)	65 (4.4)	26 (1.7)	31 (2.1)	109 (7.3)	39 (2.6)
State-Related	1,872	938 (50.1)	303 (16.2)	127 (6.8)	47 (2.5)	47 (2.5)	153 (8.2)	257 (13.7)
State-Aided	52	21 (40.4)	14 (26.9)	1 (1.9)	1 (1.9)	2 (3.8)	4 (7.7)	9 (17.3)
Private	742	338 (45.6)	213 (28.7)	34 (4.6)	18 (2.4)	5 (0.7)	37 (5.0)	97 (13.0)
Subtotal	4,153	2,320 (55.9)	724 (17.4)	227 (5.5)	92 (2.2)	85 (2.0)	303 (7.3)	402 (9.7)
Doctor's Degree								
State-Owned	4	4 (100.0)	-	-	-	-	-	-
State-Related	336	123 (36.6)	141 (42.0)	9 (2.7)	13 (3.9)	8 (2.4)	17 (5.0)	25 (7.4)
State-Aided	20	10 (50.0)	7 (35.0)	-	-	-	2 (10.0)	1 (5.0)
Private	93	27 (29.0)	57 (61.3)	2 (2.1)	1 (1.1)	-	5 (5.4)	1 (1.1)
Subtotal	453	164 (36.2)	205 (45.2)	11 (2.4)	14 (3.1)	8 (1.8)	24 (5.3)	27 (6.0)
First Professional Degree								
State-Related	1,050	677 (64.5)	270 (25.7)	21 (2.0)	7 (0.7)	18 (1.6)	14 (1.3)	43 (4.1)
State-Aided	1,345	629 (46.8)	610 (45.4)	1 (.07)	3 (.02)	14 (1.0)	25 (1.9)	63 (4.7)
Private	198	123 (62.1)	58 (29.3)	2 (1.0)	-	2 (1.0)	11 (5.6)	2 (1.0)
Subtotal	2,593	1,429 (55.1)	938 (36.2)	24 (0.9)	10 (0.4)	34 (1.3)	50 (1.9)	108 (4.2)
Associate Degree								
Community Colleges	5,438	2,457 (45.2)	98 (1.8)	427 (7.9)	15 (0.3)	118 (2.2)	369 (6.8)	1,954 (35.9)
Proprietary Inst.	1,587	954 (60.3)	226 (14.2)	100 (6.3)	9 (0.5)	16 (1.0)	173 (10.9)	109 (6.8)
Four-Year Colleges & Universities	1,662	665 (40.0)	129 (7.8)	146 (8.8)	20 (1.2)	42 (2.5)	190 (11.4)	470 (28.3)
Subtotal	8,687	4,076 (46.9)	453 (5.2)	673 (7.7)	44 (0.5)	176 (2.0)	732 (8.4)	2,533 (29.2)
GRAND TOTAL	45,915	17,138 (37.3)	6,002 (13.1)	4,707 (10.3)	1,352 (2.9)	1,651 (3.6)	6,765 (14.7)	8,300 (18.1)

[1] Based on extensive survey results from the baccalaureate class of 1974, 2.3 per cent of those reported as unemployed may be considered as not seeking employment due to marriage, travel, illness, etc.

Table 24.1

Comparison of Postgraduation Employment Status
by Level of Degree and Institutional Category, 1976

Institutional Category	Percentage of Graduates Employed Full Time			
	Bachelor's	Master's	Doctor's	First Prof.
	%	%	%	%
State-Owned	59.6	88.0	100.0	-
State-Related	54.0	75.6	85.1	92.9
State-Aided	80.9	71.2	85.0	92.4
Private	59.3	81.3	93.6	92.4
Total	59.3	81.0	87.0	92.6

Institutional Category	Percentage of Graduates Not Employed			
	Bachelor's	Master's	Doctor's	First Prof.
State-Owned	27.8	7.3	-	-
State-Related	17.0	8.2	5.0	1.3
State-Aided	10.6	7.7	10.0	1.9
Private	13.1	5.0	5.4	5.6
Total	18.8[1]	7.3	5.3	1.9

Institutional Category	Percentage of Graduates Pursuing Advanced Degrees			
	Bachelor's	Master's	Doctor's	First Prof.
State-Owned	7.9	2.6	-	-
State-Related	22.3	13.7	7.4	4.1
State-Aided	5.9	17.3	5.0	4.7
Private	24.4	13.0	1.1	1.0
Total	17.4	9.7	6.0	4.2

Institutional Category	Of Employed Full-Time, Percentage Outside Pa.			
	Bachelor's	Master's	Doctor's	First Prof.
State-Owned	19.2	16.8	0.0	-
State-Related	27.6	24.7	53.8	28.4
State-Aided	27.0	40.5	41.1	49.3
Private	34.7	38.3	66.7	31.7
Total	27.4	24.3	55.6	39.5

Institutional Category	Of Employed Full Time, Percentage in Field Prepared			
	Bachelor's	Master's	Doctor's	First Prof.
State-Owned	70.2	93.0	100.0	-
State-Related	69.0	87.7	92.3	97.1
State-Aided	91.3	94.6	100.0	99.7
Private	72.1	91.4	96.6	98.9
Total	72.1	90.5	93.7	98.6

Institutional Category	Per Cent of Associate Degree Grads.			Of Those Employed Full Time	
	Employed Full Time	Un-employed	Pursuing Advanced Degree	Per Cent Outside Pa.	Per Cent Employed in Field Prepared
	%	%	%	%	%
Community Colleges	55.2	6.8	35.9	3.8	85.3
Proprietary Inst.	81.3	10.9	6.8	18.2	91.5
Four-Year Cols. & Univ.	54.8	11.4	28.3	15.2	82.7
TOTAL	60.3	8.4	29.2	9.5	86.3

[1]Approximately 2.3 per cent of the respondents were not seeking employment (marriage, travel, illness, etc.).

Table 24.2

Comparison of Postbaccalaureate Employment Status by Institutional Category, 1974-1976

Institutional Category	Percentage of Bachelor's Graduates Employed Full Time	
	1974	1976
State-Owned	67.0	59.6
State-Related	64.8	54.0
State-Aided	56.3	80.9
Private	55.8	59.3
Total	62.3	59.3

Institutional Category	Percentage of Bachelor's Graduates Not Employed	
	1974	1976
State-Owned	16.8	27.8
State-Related	15.1	17.0
State-Aided	15.7	10.6
Private	18.4	13.1
Total	16.9	18.8

Institutional Category	Percentage of Bachelor's Graduates Pursuing Advanced Degrees	
	1974	1976
State-Owned	4.2	7.9
State-Related	10.2	22.3
State-Aided	21.4	5.9
Private	14.6	24.4
Total	9.8	17.4

Institutional Category	Of Graduates Employed Full Time, Percentage Working Outside Pa.	
	1974	1976
State-Owned	18.0	19.2
State-Related	23.8	27.6
State-Aided	39.3	27.0
Private	34.0	34.7
Total	25.2	27.4

Institutional Category	Of Graduates Employed Full Time, Percentage Working in Field Prepared	
	1974	1976
State-Owned	65.7	70.2
State-Related	70.7	69.0
State-Aided	75.7	91.3
Private	63.9	72.1
Total	66.9	72.1

Table 24 data for all 1976 graduates is compared below with the results previously reported for 1975 graduates. Since the 1975 data did not include an "employed part-time" category, this was deleted from the 1976 data in calculating the following percentages.

Year	Reported	Full-Time	Unemployed	Pursuing Advanced Degree	Total Per Cent
		%	%	%	%
1975	36,026	65.7	17.5	16.8	100.0
1976	44,264	66.0	15.3	18.7	100.0

A more succinct comparison below shows those graduates employed full time and those unemployed for the years 1975 and 1976.

Year	Total Reported	Employed Full Time	Unemployed
		%	%
1975	29,988	78.9	21.1
1976	35,964	81.2	18.8

Other postgraduation employment comparisons between 1975 and 1976 data have been made by using only data for those respondents with full-time employment. The comparisons shown below were accomplished by showing the proportions of those employed full-time, where the employment was obtained (in-state, out of state), and whether or not the employment was in positions related to field of preparation.

Year	Total Reported	Employed in Field Prepared	Employed Outside Field of Preparation	Employed in Pa.	Employed Outside Pa.
		%	%	%	%
1975	23,673	80.2	19.8	76.8	23.2
1976	29,199	79.2	20.8	74.8	25.2

CONCLUSIONS

1. Rankings of full-time employment for baccalaureate graduates in the 23 major disciplines remained relatively stable over the past three years. Disciplines consistently ranking highest were computer and information sciences, engineering, health professions, library science, and business and management. Among the consistently low ranking disciplines were biological sciences, physical sciences, psychology, foreign languages, and social sciences.

2. Since the major disciplines ranking low for employment rank high in numbers of graduates pursuing advanced degrees, this raises two questions: (1) what percentage of these graduates are pursuing additional degree requirements needed to advance their professional preparation, and (2) what percentage (if any) are retreating from a sluggish job market in their fields?

3. At each succeedingly higher degree level unemployment declines, with the exception of bachelor's degree recipients who have the highest percentage of unemployed graduates. This tends to refute the conventional belief that there are large numbers of unemployed doctoral graduates.

4. The higher unemployment for baccalaureate graduates raises two immediate questions: (1) How much of this unemployment is due to weak demand in the labor market; (2) how much of the problem is caused by institutions producing an overbundance of graduates in certain majors?

5. Seventy-nine per cent of all full-time employed graduates were reported as being employed in their fields of preparation.

6. The relatively high percentage of associate, bachelor's, and master's graduates employed in Pennsylvania is probably due to the fact that their degrees have high regional demand; graduates at the doctoral and first-professional level are more likely to choose employment in the national or international market.

7. The high correlation shown in this report between graduates' major fields of study and their employment status indicates the success of Pennsylvania's higher educational institutions in recognizing the students' needs, interests; and abilities and the needs of society at large.

APPENDICES

The tables in the Appendix supplement those in the text. The 25.0 table series gives the survey response data for graduates in each major discipline, degree level, and category of institution. Table series 26.0 through 29.0 gives postgraduation employment status data for graduates in each major discipline, degree level, and institutional type. Postgraduation information is given by degree field and institutional category for bachelor's, master's, and associate degree graduates in table series 30.0 through 32.0.

Table 25.0

Number of Returns Received from Four-Degree Levels of Graduates Compared with the Number of Graduates for All Institutions by Major Discipline, 1976

Major Discipline	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
Agriculture and Natural Resources	745	496 (66.6)	662	469 (70.8)	56	19 (33.9)	27	8 (29.6)	-	-
Architecture and Environmental Design	464	132 (28.4)	251	115 (45.8)	196	17 (8.7)	17	-	-	-
Area Studies	236	34 (14.4)	172	31 (18.0)	45	3 (6.7)	19	-	-	-
Biological Sciences	3,900	1,764 (45.2)	3,463	1,644 (47.5)	278	85 (30.0)	159	35 (22.0)	-	-
Business and Management	10,394	4,968 (47.8)	8,457	4,571 (54.0)	1,880	384 (20.4)	57	13 (22.8)	-	-
Communications	950	483 (50.8)	821	445 (54.2)	126	38 (30.2)	3	-	-	-
Computer and Information Sciences	427	219 (51.3)	260	178 (68.5)	144	32 (22.2)	23	9 (39.1)	-	-
Education	17,392	11,368 (65.4)	10,633	8,942 (84.1)	6,317	2,248 (35.6)	442	178 (40.3)	-	-
Engineering	3,666	1,837 (50.1)	2,675	1,597 (59.7)	822	193 (23.5)	169	47 (27.8)	-	-
Fine and Applied Arts	2,194	831 (37.9)	1,889	740 (39.2)	279	87 (31.2)	26	4 (15.4)	-	-
Foreign Languages	1,226	392 (32.0)	1,021	363 (35.6)	163	25 (15.3)	42	4 (9.5)	-	-
Health Profession	5,391	3,209 (59.5)	2,890	1,413 (48.9)	507	126 (24.9)	33	10 (30.3)	1,961	1,660 (84.7)
Home Economics	858	447 (52.1)	776	437 (56.3)	65	7 (10.8)	17	3 (17.7)	-	-
Law	1,188	992 (83.5)	25	59 (100.0)	13	-	-	-	1,150	933 (81.1)
Letters	3,761	1,247 (33.2)	3,055	1,132 (37.1)	554	101 (18.2)	152	14 (9.2)	-	-
Library Science	644	194 (30.1)	155	104 (67.1)	479	87 (18.2)	10	3 (30.0)	-	-
Mathematics	1,486	658 (44.3)	1,208	593 (49.1)	239	56 (23.4)	39	9 (23.1)	-	-
Physical Sciences	2,219	1,016 (45.8)	1,720	896 (52.1)	311	77 (24.8)	188	43 (22.9)	-	-
Psychology	3,317	524 (45.9)	2,983	1,404 (47.1)	245	90 (36.7)	89	30 (33.7)	-	-
Public Affairs and Services	2,936	1,360 (46.3)	2,001	1,046 (52.3)	882	298 (33.8)	53	16 (30.2)	-	-
Social Sciences	8,445	3,290 (39.0)	7,601	3,118 (41.0)	644	147 (22.8)	200	25 (12.5)	-	-
Theology	1,030	209 (20.3)	440	205 (46.6)	150	4 (2.7)	41	-	399	-
Interdisciplinary Studies	1,580	558 (35.3)	1,488	527 (35.4)	86	29 (33.7)	6	2 (33.3)	-	-
GRAND TOTAL	74,449	37,228 (50.0)	54,646	30,029 (55.0)	14,481	4,153 (28.7)	1,812	453 (25.0)	3,510	2,593 (73.9)

Table 25.1

Number of Returns Received from Graduates at Four-Degree Levels as Compared with the Number of Graduates for All Institutions Within Institutional Categories in Pennsylvania, 1976

Institutional Categories	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
State-Owned	16,408	11,555 (70.4)	13,302	10,064 (75.7)	3,101	1,487 (48.0)	5	4 (80.0)	-	-
State-Related	22,539	10,350 (45.9)	15,276	7,210 (47.2)	5,067	1,872 (36.9)	1,059	336 (31.7)	1,137	1,059 (92.3)
State-Aided	8,522	2,972 (34.9)	4,212	1,555 (36.9)	2,252	52 (2.3)	460	20 (4.4)	1,598	1,345 (84.2)
Private Colleges, Universities	26,980	12,233 (45.1)	21,856	11,200 (51.2)	4,061	742 (18.3)	288	93 (32.3)	775	198 (25.5)
GRAND TOTAL	74,449	37,228 (50.0)	54,646	30,029 (55.0)	14,481	4,153 (28.7)	1,812	453 (25.0)	3,510	2,593 (73.9)

Table 25.2

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Major Discipline, 1976

Major Discipline	Associate Degrees Awarded in Pennsylvania, 1976	Number of Returns	Per Cent of Returns
Data Processing Technologies	512	381	74.4
Health Services & Para-medical Technologies	1,792	1,411	78.7
Mechanical & Engineering Technologies	2,674	2,004	74.9
Natural Sciences Technologies	419	168	40.1
Business & Commerce Technologies	4,167	2,204	52.9
Public Service Related Technologies	1,185	683	57.6
Arts and Science Transfers	4,169	1,836	44.0
GRAND TOTAL	14,918	8,687	58.2

Table 25.3

Number of Returns Received for Associate Degree Graduates Compared with the Number of Graduates for All Such Institutions by Institutional Category, 1976

Institutional Category	Associate Degrees Awarded in Pennsylvania, 1976	Number of Returns	Per Cent of Returns
Community Colleges	7,862	5,438	69.2
Colleges & Universities	4,331	1,662	38.4
Proprietary Institutions	2,725	1,587	58.2
GRAND TOTAL	14,918	8,687	58.2

Table 26.0

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Owned Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed[1]	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	41	7 (17.1)	9 (22.0)	6 (14.6)	3 (7.3)	-	13 (31.7)	3 (7.3)
Architecture and Environmental Design	4	-	-	-	-	-	1 (25.0)	3 (75.0)
Area Studies	3	-	-	3 (100.0)	-	-	-	-
Biological Sciences	319	44 (13.8)	24 (7.5)	64 (20.1)	11 (3.4)	8 (2.5)	105 (32.9)	63 (19.7)
Business and Management	856	303 (35.4)	67 (7.8)	142 (16.6)	37 (4.3)	7 (0.8)	272 (31.8)	28 (3.3)
Communications	92	42 (45.7)	13 (14.1)	9 (9.8)	3 (3.3)	9 (9.8)	10 (10.9)	6 (6.5)
Computer Sciences	37	23 (62.2)	8 (21.6)	2 (5.4)	-	-	2 (5.4)	- (5.4)
Education	6,059	2,085 (34.4)	570 (9.4)	851 (14.0)	105 (1.7)	376 (6.2)	1,703 (28.1)	369 (6.1)
Engineering	-	-	-	-	-	-	-	-
Fine and Applied Arts	124	19 (15.3)	7 (5.6)	30 (24.2)	8 (6.5)	7 (5.6)	39 (31.5)	14 (11.3)
Foreign Language	92	13 (14.1)	8 (8.7)	14 (15.2)	5 (5.4)	5 (5.4)	34 (37.0)	13 (14.1)
Health Professions	238	174 (73.1)	32 (13.4)	10 (4.2)	-	4 (1.7)	15 (6.3)	3 (1.3)
Home Economics	133	79 (59.4)	10 (7.5)	7 (5.3)	-	1 (0.8)	26 (19.5)	10 (7.5)
Law	-	-	-	-	-	-	-	-
Letters	190	39 (25.8)	7 (3.7)	41 (21.6)	11 (5.8)	2 (1.1)	54 (28.4)	26 (13.7)
Library Science	98	35 (35.7)	15 (15.3)	19 (19.4)	3 (3.1)	5 (5.1)	17 (17.3)	4 (4.1)
Mathematics	153	48 (31.4)	19 (12.4)	22 (14.4)	5 (3.3)	3 (2.0)	29 (19.0)	27 (17.6)
Physical Sciences	149	51 (34.2)	15 (10.1)	15 (10.1)	3 (2.0)	3 (2.0)	27 (18.1)	35 (23.5)
Psychology	355	70 (19.7)	13 (3.7)	80 (22.5)	17 (4.8)	14 (3.9)	113 (31.8)	48 (13.5)
Public Affairs and Services	220	84 (38.2)	20 (9.1)	33 (15.0)	16 (7.3)	5 (2.3)	49 (22.3)	13 (5.9)
Social Sciences	830	188 (22.6)	35 (4.2)	160 (19.3)	45 (5.4)	19 (2.3)	272 (32.8)	111 (13.4)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	71	14 (19.7)	7 (9.9)	7 (9.9)	3 (4.2)	2 (2.8)	17 (23.9)	21 (29.6)
GRAND TOTAL	10,064	3,328 (33.1)	879 (8.7)	1,515 (15.1)	275 (2.7)	470 (4.7)	2,798 (27.8)	799 (7.9

[1] Based on extensive survey results from the baccalaureate class of 1974, 1.9 per cent of the respondents from the state-owned institutions may be considered as not seeking employment due to marriage, travel, illness, etc.

Table 26.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Unemployed[1]	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	274	78 (28.5)	47 (17.2)	41 (15.0)	10 (3.6)	14 (5.1)	40 (14.6)	44 (16.1)
Architecture and Environmental Design	79	25 (31.6)	7 (8.9)	6 (7.6)	2 (2.5)	7 (8.9)	19 (24.1)	13 (16.5)
Area Studies Studies	12	1 (8.3)	-	3 (25.0)	1 (8.3)	-	1 (8.3)	6 (50.0)
Biological Sciences	359	38 (10.6)	23 (6.4)	42 (11.7)	13 (3.6)	14 (3.9)	55 (15.3)	174 (48.5)
Business and Management	1,074	409 (38.1)	168 (15.6)	144 (13.4)	42 (3.9)	34 (3.2)	200 (18.6)	77 (7.2)
Communications	239	68 (28.5)	22 (9.2)	48 (20.1)	14 (5.9)	27 (11.3)	49 (20.5)	11 (4.6)
Computer Sciences	99	43 (43.4)	29 (29.3)	2 (2.0)	1 (1.0)	1 (1.0)	12 (12.1)	11 (11.1)
Education	1,077	330 (30.6)	71 (6.6)	133 (12.3)	34 (3.2)	205 (19.0)	145 (13.5)	159 (14.8)
Engineering	636	188 (29.6)	196 (30.8)	26 (4.1)	16 (2.5)	9 (1.4)	92 (14.5)	109 (17.1)
Fine and Applied Arts	210	28 (13.3)	24 (11.4)	28 (13.3)	17 (8.1)	34 (16.2)	39 (18.6)	40 (19.0)
Foreign Language	77	12 (15.6)	4 (5.2)	20 (26.0)	5 (6.5)	4 (5.2)	15 (19.5)	17 (22.1)
Health Professions	525	271 (51.6)	58 (11.0)	12 (2.3)	8 (1.5)	11 (2.1)	70 (13.3)	95 (18.1)
Home Economics	141	45 (31.9)	26 (18.4)	24 (17.0)	4 (2.8)	8 (5.7)	24 (17.0)	10 (7.1)
Law	4	-	-	-	-	1 (25.0)	-	3 (75.0)
Letters	264	23 (8.7)	6 (2.3)	74 (28.0)	11 (4.2)	17 (6.4)	63 (23.9)	70 (26.5)
Library Science	-	-	-	-	-	-	-	-
Mathematics	106	18 (17.0)	15 (14.2)	11 (10.4)	6 (5.7)	1 (0.9)	23 (21.7)	32 (30.2)
Physical Sciences	277	37 (13.4)	33 (11.9)	20 (7.2)	8 (2.9)	9 (3.2)	31 (11.2)	139 (50.2)
Psychology	350	28 (8.0)	13 (3.7)	56 (16.0)	15 (4.3)	27 (7.7)	59 (16.9)	152 (43.4)
Public Affairs and Services	519	134 (25.8)	37 (7.1)	77 (14.8)	19 (3.7)	31 (6.0)	123 (23.7)	98 (18.9)
Social Sciences	597	55 (9.2)	25 (4.2)	131 (21.9)	21 (3.5)	24 (4.0)	97 (16.2)	244 (40.9)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	291	38 (13.1)	13 (4.5)	52 (17.9)	12 (4.1)	7 (2.4)	66 (22.7)	103 (35.4)
GRAND TOTAL	7,210	1,869 (25.9)	817 (11.3)	950 (13.2)	259 (3.6)	485 (6.7)	1,223 (17.0)	1,607 (22.3)

[1]Based on extensive survey results from the baccalaureate class of 1974, 1.8 per cent of the respondents from the state-related institutions may be considered as not seeking employment due to marriage, travel, illness, etc.

Table 26.2

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part time	Un-employed[1]	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	142	67 (47.2)	47 (33.1)	2 (1.4)	5 (3.5)	-	8 (5.6)	13 (9.2)
Architecture and Environmental Design	-	-	-	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	40	6 (15.0)	3 (7.5)	3 (7.5)	3 (7.5)	-	7 (17.5)	18 (45.0)
Business and Management	456	242 (52.0)	71 (15.6)	51 (11.2)	5 (1.1)	16 (3.5)	58 (12.7)	13 (2.9)
Communications	-	-	-	-	-	-	-	-
Computer Sciences	-	-	-	-	-	-	-	-
Education	385	304 (78.9)	31 (8.1)	9 (2.3)	6 (1.6)	14 (3.6)	20 (5.2)	1 (0.3)
Engineering	192	53 (27.6)	84 (43.8)	-	5 (2.6)	-	28 (14.5)	22 (11.5)
Fine and Applied Arts	59	14 (23.7)	19 (32.2)	10 (16.9)	7 (11.9)	9 (15.3)	-	-
Foreign Language	-	-	-	-	-	-	-	-
Health Professions	84	68 (81.0)	13 (15.5)	-	-	-	1 (1.2)	2 (2.3)
Home Economics	57	16 (28.1)	17 (29.8)	1 (1.8)	-	-	20 (35.1)	3 (5.2)
Law	-	-	-	-	-	-	-	-
Letters	-	-	-	-	-	-	-	-
Library Science	-	-	-	-	-	-	-	-
Mathematics	35	14 (40.0)	8 (22.9)	-	-	-	6 (17.1)	7 (20.0)
Physical Sciences	36	12 (33.3)	5 (13.9)	-	-	2 (5.6)	8 (22.2)	9 (25.0)
Psychology	19	15 (78.9)	-	1 (5.3)	-	-	1 (5.3)	2 (10.5)
Public Affairs and Services	17	16 (94.1)	-	1 (5.9)	-	-	-	-
Social Sciences	-	-	-	-	-	-	-	-
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	33	13 (39.4)	11 (33.3)	-	-	-	8 (24.2)	1 (3.0)
GRAND TOTAL	1,555	840 (54.0)	309 (19.9)	78 (5.0)	31 (2.0)	41 (2.6)	165 (10.6)	91 (5.9)

[1] Based on extensive results from the baccalaureate class of 1974, 2.4 per cent of the respondents from the state-aided institutions may be considered as not seeking employment due to marriage, travel, illness, etc.).

Table 26.3

Employment Status by Major Discipline for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed[1]	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	12	2 (16.7)	2 (16.6)	-	-	-	2 (16.7)	6 (50.0)
Architecture and Environmental Design	32	20 (62.5)	3 (9.4)	2 (6.2)	2 (6.2)	-	3 (9.4)	2 (6.3)
Area Studies	16	-	1 (6.3)	5 (31.2)	4 (25.0)	-	2 (12.5)	4 (25.0)
Biological Sciences	926	103 (11.1)	51 (5.5)	103 (11.1)	40 (4.3)	22 (2.4)	116 (12.5)	491 (53.0)
Business and Management	2,185	858 (39.3)	477 (21.8)	172 (7.8)	65 (3.0)	68 (3.1)	352 (16.2)	192 (8.8)
Communications	114	25 (21.9)	13 (11.4)	20 (17.5)	6 (5.3)	3 (2.6)	20 (17.5)	27 (23.7)
Computer Sciences	42	26 (61.9)	6 (14.3)	2 (4.8)	-	1 (2.4)	5 (11.9)	2 (4.7)
Education	1,421	519 (36.5)	182 (12.8)	179 (12.6)	87 (6.1)	79 (5.6)	247 (17.4)	128 (9.0)
Engineering	769	275 (35.8)	302 (39.3)	3 (0.4)	25 (3.2)	-	54 (7.0)	110 (14.3)
Fine and Applied Arts	347	78 (22.5)	51 (14.7)	37 (10.7)	22 (6.3)	25 (7.2)	43 (12.4)	91 (26.2)
Foreign Language	194	15 (7.7)	19 (9.8)	38 (19.6)	27 (13.9)	6 (3.1)	22 (11.3)	67 (34.5)
Health Professions	566	359 (63.4)	78 (13.8)	3 (0.5)	3 (0.5)	6 (1.1)	36 (6.4)	81 (14.3)
Home Economics	106	29 (27.4)	21 (19.8)	10 (9.4)	16 (15.1)	5 (4.7)	11 (10.4)	14 (13.2)
Law	55	3 (5.5)	1 (1.8)	4 (7.3)	-	-	-	47 (85.4)
Letters	678	106 (15.6)	71 (10.5)	145 (21.4)	65 (9.6)	20 (3.0)	67 (9.9)	204 (30.0)
Library Science	6	1 (16.7)	1 (16.7)	-	-	-	1 (16.6)	3 (50.0)
Mathematics	299	84 (28.1)	86 (28.8)	27 (9.0)	13 (4.3)	4 (1.3)	23 (7.7)	62 (20.7)
Physical Sciences	434	52 (12.0)	57 (13.1)	24 (5.5)	6 (1.4)	6 (1.4)	25 (5.8)	264 (60.8)
Psychology	680	127 (18.7)	48 (7.1)	96 (14.1)	51 (7.5)	26 (3.8)	120 (17.6)	212 (31.2)
Public Affairs and Services	290	92 (31.7)	33 (11.4)	47 (16.2)	14 (4.8)	17 (5.9)	56 (19.3)	31 (10.7)
Social Sciences	1,691	263 (15.6)	126 (7.4)	277 (16.4)	159 (9.4)	55 (3.3)	231 (13.6)	580 (34.3)
Theology	205	45 (22.0)	4- (19.5)	24 (11.7)	10 (4.9)	4 (2.0)	12 (5.8)	70 (34.1)
Interdisciplinary Studies	132	30 (22.7)	8 (6.1)	11 (8.3)	12 (9.1)	5 (3.8)	21 (15.9)	45 (34.1)
GRAND TOTAL	11,200	3,112 (27.8)	1,677 (15.0)	1,229 (11.0)	627 (5.6)	352 (3.1)	1,470 (13.1)	2,733 (24.4)

[1] Based on extensive results from the baccalaureate class of 1974, 3.1 per cent of the respondents from the private institutions may be considered as not seeking employment due to marriage, travel, illness, etc.

Table 27.0

Employment Status by Major Discipline for Master's Degree Recipients for State-Owned Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	-	-	-	-	-	-	-	-
Architecture and Environmental Design	-	-	-	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	24	11 (45.8)	3 (12.5)	5 (20.8)	-	-	2 (8.3)	3 (12.5)
Business and Management	31	10 (32.3)	3 (9.7)	5 (16.1)	5 (16.1)	1 (3.2)	5 (16.1)	2 (6.5)
Communications	28	17 (60.7)	1 (3.6)	3 (10.7)	5 (17.9)	-	2 (7.1)	-
Computer Sciences	-	-	-	-	-	-	-	-
Education	1,097	824 (75.1)	121 (11.0)	39 (3.6)	12 (1.1)	23 (2.1)	65 (5.9)	13 (1.2)
Engineering	-	-	-	-	-	-	-	-
Fine and Applied Arts	20	17 (85.0)	-	-	-	-	1 (5.0)	2 (10.0)
Foreign Language	8	3 (37.5)	-	1 (12.5)	-	-	4 (50.0)	-
Health Professions	3	2 (66.7)	1 (33.3)	-	-	-	-	-
Home Economics	-	-	-	-	-	-	-	-
Law	-	-	-	-	-	-	-	-
Letters	37	26 (70.3)	1 (2.7)	-	-	3 (8.1)	3 (8.1)	4 (10.8)
Library Science	31	21 (67.7)	1 (3.2)	1 (3.2)	-	2 (6.5)	6 (19.4)	-
Math	22	18 (81.8)	2 (9.1)	-	-	1 (4.5)	-	1 (4.5)
Physical Sciences	28	12 (42.9)	7 (25.0)	1 (3.6)	-	-	1 (3.5)	7 (25.0)
Psychology	16	13 (81.3)	2 (12.5)	-	-	-	1 (6.2)	-
Public Affairs and Services	90	18 (20.0)	50 (55.6)	7 (7.8)	2 (2.2)	-	12 (13.3)	1 (1.1)
Social Sciences	48	28 (58.3)	1 (2.0)	3 (6.3)	2 (4.2)	1 (2.1)	7 (14.6)	6 (12.5)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	4	3 (75.0)	1 (25.0)	-	-	-	-	-
GRAND TOTAL	1,487	1,023 (68.8)	194 (13.0)	65 (4.4)	26 (1.7)	31 (2.1)	109 (7.3)	39 (2.6)

Table 27.1

Employment Status by Major Discipline for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	19	5 (26.3)	4 (21.1)	2 (10.5)	1 (5.3)	-	1 (5.2)	6 (31.6)
Architecture and Environmental Design	15	3 (20.0)	7 (46.7)	-	1 (6.7)	-	3 (20.0)	1 (6.6)
Area Studies	3	1 (33.3)	-	1 (33.3)	-	1 (33.3)	-	-
Biological Sciences	32	5 (15.6)	1 (3.1)	-	2 (6.3)	-	1 (3.1)	23 (71.9)
Business and Management	164	95 (57.9)	35 (21.3)	9 (5.5)	4 (2.4)	-	16 (9.8)	5 (3.0)
Communications	10	4 (40.0)	-	2 (20.0)	-	-	4 (40.0)	-
Computer Sciences	28	13 (46.4)	4 (14.3)	3 (10.7)	1 (3.6)	-	2 (7.1)	5 (17.9)
Education	859	543 (63.2)	84 (9.8)	72 (8.4)	12 (1.4)	31 (3.6)	44 (5.1)	73 (8.5)
Engineering	84	33 (39.3)	31 (36.9)	2 (2.4)	1 (1.2)	-	6 (7.1)	11 (13.1)
Fine and Applied Arts	46	12 (26.1)	9 (19.6)	3 (6.5)	-	4 (8.7)	9 (19.6)	9 (19.5)
Foreign Language	17	5 (29.4)	2 (11.8)	1 (5.9)	1 (5.9)	2 (11.8)	2 (11.7)	4 (23.5)
Health Professions	123	55 (44.7)	35 (28.5)	-	3 (2.4)	1 (0.8)	11 (8.9)	18 (14.6)
Home Economics	7	-	2 (28.6)	-	-	1 (14.3)	-	4 (57.1)
Law	-	-	-	-	-	-	-	-
Letters	57	10 (17.5)	4 (7.0)	12 (21.1)	-	1 (1.8)	6 (10.5)	24 (42.1)
Library Science	56	25 (44.6)	12 (21.4)	-	4 (7.1)	-	7 (12.5)	8 (14.3)
Mathematics	18	6 (33.3)	3 (16.7)	-	4 (22.2)	-	-	5 (27.8)
Physical Sciences	34	4 (11.8)	11 (32.4)	-	1 (2.9)	-	5 (14.7)	13 (38.2)
Psychology	30	10 (33.3)	2 (6.7)	2 (6.7)	-	-	5 (16.7)	11 (36.6)
Public Affairs and Services	172	75 (43.6)	46 (26.7)	10 (5.8)	7 (4.1)	4 (2.3)	20 (11.6)	10 (5.8)
Social Sciences	73	17 (23.3)	7 (9.6)	7 (9.6)	5 (6.9)	2 (2.7)	9 (12.3)	26 (35.6)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	25	17 (68.0)	4 (16.0)	1 (4.0)	-	-	2 (8.0)	1 (4.0)
GRAND TOTAL	1,872	938 (50.1)	303 (16.2)	127 (6.8)	47 (2.5)	47 (2.5)	153 (8.2)	257 (13.7)

Table 27.2

Employment Status by Major Discipline for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	-	-	-	-	-	-	-	-
Architecture and Environmental Design	-	-	-	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	21	9 (42.9)	4 (19.0)	-	-	-	-	8 (38.1)
Business and Management	-	-	-	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Computer Sciences	-	-	-	-	-	-	-	-
Education	-	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-	-
Fine and Applied Arts	-	-	-	-	-	-	-	-
Foreign Language	-	-	-	-	-	-	-	-
Health Professions	-	-	-	-	-	-	-	-
Home Economics	-	-	-	-	-	-	-	-
Law	-	-	-	-	-	-	-	-
Letters	-	-	-	-	-	-	-	-
Library Science	-	-	-	-	-	-	-	-
Mathematics	-	-	-	-	-	-	-	-
Physical Sciences	-	-	-	-	-	-	-	-
Psychology	31	12 (38.7)	10 (32.3)	1 (3.2)	1 (3.2)	2 (6.5)	4 (12.9)	1 (3.2)
Public Affairs and Services	-	-	-	-	-	-	-	-
Social Sciences	-	-	-	-	-	-	-	-
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	-	-	-	-	-	-	-	-
GRAND TOTAL	52	21 (40.4)	14 (26.9)	1 (1.9)	1 (1.9)	2 (3.8)	4 (7.7)	9 (17.3)

Table 27.3

Employment Status by Major Discipline for Master's Degree Recipients for Private Institutions in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	-	-	-	-	-	-	-	-
Architecture and Environmental Design	2	1 (50.0)	1 (50.0)	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	8	3 (37.5)	2 (25.0)	1 (12.5)	-	-	1 (12.5)	1 (12.5)
Business and Management	189	73 (38.6)	87 (46.0)	10 (5.3)	1 (0.5)	-	13 (6.9)	5 (2.6)
Communications	-	-	-	-	-	-	-	-
Computer Sciences	4	-	4 (100.0)	-	-	-	-	-
Education	292	182 (62.3)	43 (14.7)	21 (7.2)	13 (4.5)	5 (1.7)	11 (3.8)	17 (5.8)
Engineering	109	19 (17.4)	34 (31.2)	-	2 (1.8)	-	5 (4.6)	49 (45.0)
Fine and Applied Arts	21	7 (33.3)	12 (57.1)	-	-	-	1 (4.8)	1 (4.8)
Foreign Language	-	-	-	-	-	-	-	-
Health Professions	-	-	-	-	-	-	-	-
Home Economics	-	-	-	-	-	-	-	-
Law	-	-	-	-	-	-	-	-
Letters	7	5 (71.4)	1 (14.3)	-	-	-	1 (14.3)	-
Library Science	-	-	-	-	-	-	-	-
Mathematics	16	4 (25.0)	8 (50.0)	-	-	-	-	4 (25.0)
Physical Sciences	15	4 (26.7)	6 (40.0)	-	-	-	-	5 (33.3)
Psychology	13	-	1 (7.7)	-	-	-	-	12 (92.3)
Public Affairs and Services	36	19 (52.8)	11 (30.6)	-	-	-	3 (8.3)	3 (8.3)
Social Sciences	26	18 (69.2)	2 (7.7)	2 (7.7)	2 (7.7)	-	2 (7.7)	-
Theology	4	3 (75.0)	1 (25.0)	-	-	-	-	-
Interdisciplinary Studies	-	-	-	-	-	-	-	-
GRAND TOTAL	742	338 (45.6)	213 (28.7)	34 (4.6)	18 (2.4)	5 (0.7)	37 (5.0)	97 (13.0)

Table 28.0

Employment Status by Major Discipline and Institutional Sector for Doctoral Degree Recipients in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
STATE-OWNED								
Education	4	4 (100.0)	-	-	-	-	-	-
Grand Total	4	4 (100.0)	-	-	-	-	-	-
STATE-AIDED								
Biological Sciences	13	5 (38.5)	6 (46.2)	-	-	-	1 (7.7)	1 (7.7)
Psychology	7	5 (71.4)	1 (14.3)	-	-	-	1 (14.3)	-
Grand Total	20	10 (50.0)	7 (35.0)	-	-	-	2 (10.0)	1 (5.0)
PRIVATE								
Business and Management	5	3 (60.0)	2 (40.0)	-	-	-	-	-
Computer Sciences	8	2 (25.0)	6 (75.0)	-	-	-	-	-
Education	13	2 (15.4)	9 (69.2)	-	-	-	2 (15.4)	-
Engineering	25	8 (32.0)	15 (60.0)	-	-	-	2 (8.0)	-
Fine and Applied Arts	2	-	1 (50.0)	1 (50.0)	-	-	-	-
Letters	4	2 (50.0)	-	1 (25.0)	-	-	1 (25.0)	-
Mathematics	5	1 (20.0)	4 (80.0)	-	-	-	-	-
Physical Sciences	17	4 (23.5)	13 (76.4)	-	-	-	-	-
Psychology	4	2 (50.0)	-	-	1 (25.0)	-	-	1 (25.0)
Public Affairs and Services	6	2 (33.3)	4 (66.6)	-	-	-	-	-
Social Sciences	4	1 (25.0)	3 (75.0)	-	-	-	-	-
Grand Total	93	27 (29.0)	57 (61.2)	2 (2.2)	1 (1.1)	-	5 (5.4)	1 (1.1)

Table 28.0

Employment Status by Major Discipline and Institutional Sector for Doctoral Degree Recipients in Pennsylvania, 1976 (continued)

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Unemployed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
STATE-RELATED								
Agriculture and Natural Resources	8	1 (12.5)	5 (62.5)	1 (12.5)	1 (12.5)	-	-	-
Architecture and Environmental Design	-	-	-	-	-	-	-	-
Area Studies	-	-	-	-	-	-	-	-
Biological Sciences	22	5 (22.7)	8 (36.4)	1 (4.5)	-	-	1 (4.5)	7 (31.8)
Business and Management	8	2 (25.0)	6 (75.0)	-	-	-	-	-
Communications	-	-	-	-	-	-	-	-
Computer Sciences	1	-	1 (100.0)	-	-	-	-	-
Education	161	76 (47.2)	57 (35.4)	6 (3.7)	5 (3.1)	3 (1.9)	5 (3.1)	9 (5.6)
Engineering	22	9 (40.9)	12 (54.5)	1 (4.5)	-	-	-	-
Fine and Applied Arts	2	2 (100.0)	-	-	-	-	-	-
Foreign Language	4	1 (25.0)	1 (25.0)	-	-	-	2 (50.0)	-
Health Professions	10	4 (40.0)	5 (50.0)	-	-	-	1 (10.0)	-
Home Economics	3	-	3 (100.0)	-	-	-	-	-
Law	-	-	-	-	-	-	-	-
Letters	10	4 (40.0)	4 (40.0)	-	-	1 (10.0)	1 (10.0)	-
Library Science	3	1 (33.3)	2 (66.6)	-	-	-	-	-
Mathematics	4	2 (50.0)	2 (50.0)	-	-	-	-	-
Physical Sciences	26	4 (15.4)	8 (30.8)	-	4 (15.3)	1 (3.8)	3 (11.5)	6 (23.1)
Psychology	19	5 (26.3)	9 (47.4)	-	-	2 (10.5)	2 (10.5)	1 (5.3)
Public Affairs and Services	10	1 (10.0)	7 (70.0)	-	2 (20.0)	-	-	-
Social Sciences	21	6 (28.6)	9 (42.9)	-	1 (4.8)	1 (4.8)	2 (9.5)	2 (9.5)
Theology	-	-	-	-	-	-	-	-
Interdisciplinary Studies	2	-	2 (100.0)	-	-	-	-	-
GRAND TOTAL	336	123 (36.6)	141 (42.0)	9 (2.7)	13 (3.9)	8 (2.4)	17 (5.0)	25 (7.4)

Table 29.0

Employment Status by Major Discipline for Associate Degree Recipients for Community Colleges in Pennsylvania, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	172	92 (53.5)	4 (2.3)	21 (12.2)	2 (1.2)	4 (2.3)	26 (15.1)	23 (13.4)
Health Services and Para-Medical Technologies	1,052	838 (79.7)	31 (2.9)	39 (3.7)	1 (0.1)	26 (2.5)	59 (5.6)	58 (5.5)
Mechanical & Engineering Technologies	544	299 (55.0)	20 (3.7)	65 (11.9)	1 (0.2)	8 (1.5)	46 (8.5)	105 (19.3)
Natural Science Technologies	83	46 (55.4)	-	14 (16.9)	1 (1.2)	-	3 (3.6)	19 (22.9)
Business & Commerce Technologies	1,239	718 (57.9)	19 (1.5)	116 (9.4)	9 (0.7)	40 (3.2)	116 (9.4)	221 (17.8)
Public Service-Related Technologies	603	281 (46.6)	20 (3.3)	66 (10.9)	-	12 (2.0)	68 (11.3)	156 (25.9)
Arts and Science Transfers	1,745	183 (10.5)	4 (0.2)	106 (6.1)	1 (0.06)	28 (1.6)	51 (2.9)	1,372 (78.6)
GRAND TOTAL	5,438	2,457 (45.2)	98 (1.8)	427 (7.9)	15 (0.3)	118 (2.2)	369 (6.8)	1,954 (35.9)

Table 29.1

Employment Status by Major Discipline for Associate Degree Recipients for Proprietary Institutions in Pennsylvania, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	152	98 (64.4)	8 (5.3)	13 (8.6)	-	-	24 (15.8)	9 (5.9)
Health Services and Para-Medical Technologies	31	24 (77.4)	1 (3.2)	3 (9.7)	-	-	1 (3.2)	2 (6.5)
Mechanical & Engineering Technologies	824	425 (51.6)	187 (22.7)	70 (8.5)	8 (1.0)	15 (1.8)	100 (12.1)	19 (2.3)
Natural Science Technologies	3	2 (66.7)	-	-	-	-	1 (33.3)	-
Business & Commerce Technologies	577	405 (70.2)	30 (5.2)	14 (2.4)	1 (0.2)	1 (0.2)	47 (8.1)	79 (13.7)
Public Service-Related Technologies	-	-	-	-	-	-	-	-
Arts and Science Transfers	-	-	-	-	-	-	-	-
GRAND TOTAL	1,587	954 (60.3)	226 (14.2)	100 (6.3)	9 (0.5)	16 (1.0)	173 (10.9)	109 (6.8)

Table 29.2

Employment Status by Major Discipline for Associate Degree Recipients for Four-Year Colleges and Universities, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Data Processing Technologies	57	8 (14.0)	11 (19.3)	5 (8.8)	-	2 (3.5)	14 (24.6)	17 (29.8)
Health Services and Para-Medical Technologies	328	203 (61.9)	28 (8.5)	-	-	13 (4.0)	2 (0.6)	82 (25.0)
Mechanical & Engineering Technologies	636	176 (27.7)	71 (11.2)	62 (9.7)	8 (1.3)	10 (1.6)	88 (13.8)	221 (34.7)
Natural Science Technologies	82	19 (23.1)	3 (3.7)	26 (31.7)	6 (7.3)	6 (7.3)	14 (17.1)	8 (9.8)
Business and Commerce Technologies	388	216 (55.7)	13 (3.4)	32 (8.2)	4 (1.0)	9 (2.3)	49 (12.6)	65 (16.8)
Public Service-Related Technologies	80	28 (35.0)	2 (2.5)	7 (8.7)	2 (2.5)	1 (1.3)	13 (16.3)	27 (33.7)
Arts and Science Transfers	91	15 (16.4)	1 (1.1)	14 (15.4)	-	1 (1.1)	10 (11.0)	50 (55.0)
GRAND TOTAL	1,662	665 (40.0)	129 (7.8)	146 (8.8)	20 (1.2)	42 (2.5)	190 (11.4)	470 (28.3)

Table 30.0

Employment Status by Degree Field for Baccalaureate
Degree Recipients for All Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	689	154	105	49	18	14	63	66	220
Agriculture, general		34	5	3	4	-	3	3	1	15
Agronomy (field crops, and crop management		38	13	6	1	1	-	3	2	12
Animal science (husbandry)		165	36	24	8	7	4	10	24	52
Dairy science (husbandry)		14	9	2	-	-	-	1	1	1
Fish, game and wildlife management		2	-	-	-	-	-	1	1	-
Horticulture (fruit and vegetable production)		93	31	14	3	1	-	5	5	34
Ornamental horticulture (floriculture, nursery sci.)		41	19	15	-	-	-	-	2	5
Agricultural economics		14	3	-	-	-	-	2	2	7
Agricultural business		11	3	1	1	-	1	-	-	5
Food science & technology		21	7	6	1	-	-	1	4	2
Forestry		85	11	15	15	5	3	8	5	23
Natural resources management		108	11	9	11	2	3	16	9	47
Range management		1	-	-	-	-	-	-	1	-
Other (Environmental Studies)		40	1	7	5	2	-	10	5	10
Other (Unspecified)		22	3	3	-	-	-	3	4	7
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	215	45	10	8	4	7	23	18	100
Environmental design, gen.		1	-	-	-	-	-	-	-	1
Architecture		115	28	6	6	1	2	16	7	49
Interior design		33	9	1	1	1	-	2	1	8
Landscape architecture		68	8	3	1	2	5	4	7	38
City, community and regional planning		8	-	-	-	-	-	1	3	4
AREA STUDIES	Total	67	1	1	11	5	-	3	10	36
East Asian studies		7	1	-	2	-	-	-	2	2
Russian and Slavic studies		3	-	-	-	-	-	-	-	3
Latin American studies		2	-	-	-	-	-	1	-	1
European studies, general		1	-	-	1	-	-	-	-	-
West European studies		24	-	-	1	1	-	-	3	19
American studies		29	-	1	7	4	-	2	5	10
Other (Medieval Studies)		1	-	-	-	-	-	-	-	1
BIOLOGICAL SCIENCES	Total	2,338	191	101	212	67	44	283	746	694
Biology, general		2,080	166	93	201	63	42	257	666	592
Plant pathology		1	-	-	-	-	-	-	1	-
Physiology, human & animal		2	-	-	-	-	-	-	2	-
Microbiology		47	5	4	4	1	-	4	12	17
Anatomy		1	-	-	-	-	-	-	1	-
Histology		1	1	-	-	-	-	-	-	-
Biochemistry		109	11	2	4	-	-	7	37	48
Biophysics		8	1	-	-	1	-	-	4	2
Marine biology		6	1	-	-	-	1	-	-	5
Ecology		26	2	-	1	-	-	11	8	3
Other (Environ. Studies)		19	3	-	1	2	-	2	1	10
Other (Individual Studies)		2	-	-	-	-	-	-	2	-
Other (Pre-Med.)		8	-	-	-	-	1	-	1	6
Other (Biolgy Chem.)		6	1	1	-	-	-	1	2	1
Other (Unspecified)		22	-	1	1	-	-	1	9	10
BUSINESS & MANAGEMENT	Total	6,095	1,812	783	509	149	125	883	310	1,524
Business & commerce, gen.		1,145	319	185	72	18	15	123	51	362
Accounting		2,125	713	295	188	44	50	335	99	401
Business statistics		3	-	-	-	-	-	2	-	1
Banking and finance		269	65	24	27	9	8	43	14	79
Business management & admnr.		1,540	484	150	111	37	23	251	76	408
Hotel and rest. management		7	4	3	-	-	-	-	-	-
Marketing and purchasing		531	139	66	60	14	22	75	21	134
Transp. & public utilities		94	12	16	14	14	1	14	1	22
Real estate		5	3	1	-	-	-	-	-	1
Insurance		40	17	-	5	1	-	5	3	9
Secretaries studies (bacc. & higher)		6	2	-	2	-	-	2	-	-
Personnel management		7	1	-	-	-	-	1	-	5
Labor & industrial relations		44	5	7	5	-	3	10	4	10
Business economics		203	26	19	16	11	1	17	36	77
Other (Textile & Mgmt. Marketing)		39	14	13	-	-	2	-	4	6
Other (Actuarial Sci.)		3	2	-	-	-	-	-	1	-
Other (Computer & Quantative Sci.)		4	2	-	1	-	-	-	-	1
Other (Unspecified)		30	4	4	8	1	-	5	-	8

[1]The "all others" category represents those not responding to the survey. The "all others" category is the difference between the number of respondents and the number of graduates. Thus, the "total reported" column should equal the number of graduates in each degree field during the period of the study.

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
COMMUNICATIONS	665	135	48	77	23	39	79	44	220
Communications, general	210	25	13	19	7	4	19	25	98
Journalism (printed media)	266	67	22	30	7	12	33	16	79
Radio/television	89	17	9	20	6	13	19	3	2
Advertising	93	24	4	4	3	10	8	-	40
Communication media (use of videotape, films, etc., oriented specifically toward radio/tele.	6	2	-	3	-	-	-	-	1
Other (Theatre-Commun.)	1	-	-	1	-	-	-	-	-
COMPUTER & INFORMATION SCIENCES	235	92	43	6	1	2	19	15	57
Computer & information sciences, gen.	180	70	40	3	1	2	14	11	39
Information sciences & systems	17	3	1	2	-	-	3	3	5
Data processing	5	-	-	-	-	-	-	-	5
Computer programming	6	4	-	-	-	-	-	-	2
Systems analysis	12	9	-	-	-	-	-	1	2
Other (Math. & Comp. Sci.)	15	6	2	1	-	-	2	-	4
EDUCATION Total	11,290	3,238	854	1,172	232	674	2,115	657	2,348
Education, general	693	353	46	13	7	14	22	11	227
Elementary education, gen.	3,811	983	241	359	71	275	843	200	839
Secondary education	263	51	12	24	8	27	6	27	108
English education	304	83	20	32	17	10	53	27	62
Home economics education	173	67	16	26	5	2	36	7	14
French	64	17	-	14	-	2	20	3	8
German	50	10	1	10	1	-	6	6	16
Spanish	81	19	3	16	2	3	26	-	12
Russian	3	-	-	-	-	-	1	-	2
Latin	8	-	1	1	-	-	1	-	5
Nursing education	168	71	4	54	1	-	9	3	26
Biology education	103	42	8	14	-	1	20	2	16
Chemistry education	18	12	4	-	-	1	-	1	-
Earth and space science education	51	22	3	11	-	1	7	5	2
Physics education	16	8	-	3	-	-	-	2	3
Social studies education	539	78	28	102	19	39	145	30	98
Speech and dramatic arts education	47	10	3	5	1	3	6	4	15
Junior high school education	1	-	1	-	-	-	-	-	-
Public school nurse	1	1	-	-	-	-	-	-	-
Special education, gen.	297	120	34	22	5	11	62	4	39
Education of the mentally retarded	796	258	122	65	8	45	137	41	120
Education of the visually handicapped	35	13	10	3	-	1	2	2	4
Speech correction	354	88	44	25	-	16	54	83	44
Education of the emotionally disturbed	112	62	8	11	-	7	13	3	8
Education of the physically handicapped	34	5	7	2	1	5	7	2	5
Educational psychology (include learning theory)	2	1	-	-	-	1	-	-	-
Pre-elementary education (kindergarten)	87	32	7	12	2	7	14	2	11
Educational testing, evaluation & measurement	8	-	1	-	1	-	-	2	4
Educational administration	2	1	-	-	-	-	-	1	-
Reading education (methodology and theory)	21	2	-	-	-	-	2	5	12
Art education (methodology and theory)	459	94	27	72	12	52	76	14	112
Music education (methodology and theory)	493	150	53	34	16	14	69	44	113
Mathematics education (methodology and theory)	217	86	27	26	9	5	37	8	19
Science education (methodolgy and theory)	17	8	1	3	1	1	2	-	1
Physical education	1,039	170	70	92	19	97	331	57	203
Health education (include family life education)	52	10	4	12	2	1	10	3	10
Business, commerce and distributive education	261	89	16	51	6	3	26	19	51
Industrial arts, vocational & tech. education	292	164	23	32	4	2	21	13	33
Other (Music Therapy)	2	-	-	1	-	-	1	-	-
Other (Rehab. Ed.)	16	3	-	-	-	-	7	2	4
Other (Math. Physics)	1	1	-	-	-	-	-	-	-
Other (Communications)	71	10	3	6	8	11	16	6	11
Other (Dental Hygiene)	10	9	-	-	-	-	-	-	1
Other (Library)	11	5	1	-	-	-	4	-	1
Other (Unspecified)	207	30	5	19	6	17	23	18	89

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
ENGINEERING										
Engineering, general	Total	2,171	516	582	29	46	9	174	241	574
Engineering, general		51	18	10	-	-	-	6	5	12
Aerospace, aeronautical, astronautical engineering		18	1	7	-	-	-	1	3	6
Agricultural engineering		10	5	-	2	-	-	-	1	2
Architectural engineering		32	4	15	1	1	-	2	2	7
Bioengineering and biomedical engineering		1	-	-	-	-	-	-	1	-
Chemical engineering (include petroleum refining)		221	39	107	-	1	1	7	23	43
Petroleum engineering (exclude petroleum refining)		15	1	8	-	-	-	-	-	6
Civil, construction & transportation engineering		391	92	87	2	16	1	55	68	70
Electrical, electronics & communications engineering		454	115	128	5	11	1	42	49	103
Mechanical engineering		333	95	110	1	5	-	27	39	56
Industrial & management eng.		108	26	23	2	2	-	9	13	33
Metallurgical engineering		47	11	17	1	-	-	2	4	12
Materials engineering		5	-	1	-	-	-	-	3	1
Ceramic engineering		17	2	4	1	-	-	-	5	5
Mining & mineral eng.		27	10	7	-	-	1	-	-	9
Engineering physics		2	-	1	-	-	-	-	1	-
Nuclear engineering		31	3	7	-	2	1	4	4	10
Engineering mechanics		8	3	2	-	-	-	1	-	2
Environmental & sanitary eng.		13	1	4	1	-	-	3	-	4
Engineering tech. (baccalaureate & higher programs		337	83	31	11	2	4	14	8	184
Other (Textile Eng.)		16	1	3	-	5	-	-	5	2
Other (Eng. Sci.)		11	3	5	-	-	-	-	1	2
Other (Fund.Sci.)		9	1	1	1	1	-	1	4	-
Other (Unspecified)		14	2	4	1	-	-	-	2	5
FINE AND APPLIED ARTS	Total	1,105	139	101	105	54	75	121	145	365
Fine arts, general		173	13	5	14	7	10	11	26	87
Art (painting, drawing, sculpture)		296	29	18	25	17	28	44	29	106
Art history and appreciations		87	5	1	20	8	3	6	7	37
Music (performing, composition, theory)		121	26	14	7	2	9	14	38	11
Music (liberal arts program)		92	21	9	12	2	3	8	20	17
Music history & appreciation (musicology)		6	-	-	1	-	-	1	2	2
Dramatic arts		163	25	23	10	4	6	22	11	62
Dance		18	1	1	1	-	2	1	1	11
Applied design (ceramics, weaving, textile design, fashion design, jewelry, metalsmithing, interior decoration, commercial art)		130	16	28	14	9	13	14	6	30
Cinematography		1	-	-	-	-	-	-	1	-
Photography		6	2	1	-	1	-	-	1	-
Other (Printmaking)		5	1	-	-	3	-	-	1	-
Other (Opera)		1	-	-	-	-	-	-	1	-
Other (Theatre)		2	-	-	1	-	-	-	1	-
Other (Art General)		1	-	-	-	-	-	-	-	1
Other (Artistic Sec.)		1	-	1	-	-	-	-	-	-
Other (Unspecified)		2	-	-	-	1	1	-	-	-
FOREIGN LANGUAGES	Total	535	40	31	72	37	15	71	97	172
Foreign languages, general (Includes concentration on more than one foreign language without major emphasis on one language)		10	1	-	3	2	-	4	-	-
French		181	11	13	24	13	5	22	35	58
German		93	7	5	16	6	5	9	20	25
Italian		9	1	-	-	1	-	3	1	3
Spanish		174	17	9	24	14	5	29	25	51
Russian		41	-	2	3	-	-	4	8	24
Chinese		4	-	-	-	-	-	-	-	4
Japanese		6	-	2	-	-	-	-	2	2
Latin		9	2	-	1	-	-	-	4	2
Greek, classical		4	-	-	-	-	-	-	1	3
Hebrew		2	-	-	1	-	-	-	1	-
Other (Portugese)		1	1	-	-	-	-	-	-	-
Other (Specify)		1	-	-	-	1	-	-	-	-

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS	Total	1,904	872	181	25	11	21	122	181	491
Health professions, general		137	25	14	9	7	5	12	19	46
Nursing (baccalaureate and higher programs)		965	545	84	8	2	6	47	36	237
Dentistry, D.D.S. or D.M.D. degree		5	1	-	-	-	-	-	4	-
Medicine, M.D. degree		45	2	-	-	-	-	-	43	-
Occupational therapy		31	19	7	-	-	1	2	-	2
Optometry		1	-	-	-	-	-	-	1	-
Osteopathic medicine, D.O. degree		3	1	-	-	-	-	-	2	-
Pharmacy		129	41	8	-	1	-	20	14	45
Physical therapy		69	22	6	1	-	-	11	10	19
Dental hygiene (baccalaureate & higher programs)		11	7	-	2	-	-	-	-	2
Public health		3	1	-	-	-	-	-	2	-
Medical record librarianship		18	8	7	-	-	-	-	-	3
Podiatry (Pod.D. or D.P.) or podiatric med.(D.P.M.)		1	-	-	-	-	-	-	1	-
Veterinary medicine (D.V.M. degree)		1	1	-	-	-	-	-	-	-
Speech pathology & audio.		64	11	1	1	-	2	5	13	31
Chiropractic		1	-	-	-	-	-	-	1	-
Clinical social work (med. and psychiatric & specialized rehab. services)		9	4	-	1	-	-	1	1	2
Medical lab. technologies (bacc. & higher programs)		359	166	42	2	1	5	17	21	103
Radiologic technologies (bacc. & higher programs)		1	-	-	-	-	-	1	-	-
Other (Pre-Medicine)		22	3	-	1	-	-	6	12	-
Other (Dance Therapy)		1	-	1	-	-	-	-	-	-
Other (Environ. Health)		1	-	-	-	-	-	-	1	-
Other (Respiratory)		7	5	2	-	-	-	-	-	-
Other (Inhalation Therapy)		19	9	9	-	-	-	-	-	1
Other (Nuclear Med. Tech.)		1	1	-	-	-	-	-	-	-
HOME ECONOMICS	Total	673	169	74	42	20	14	81	37	359
Home economics, general		156	54	11	10	5	5	23	7	41
Cothing and textiles		16	7	-	2	-	-	3	-	4
Family relations & child development		196	43	6	24	4	9	25	8	77
Foods and nutrition (include dietetics)		136	39	20	2	11	-	14	17	33
Institutional management & cafeteria management		77	12	21	4	-	-	2	2	36
Other (Food & Equip.)		4	-	-	-	-	-	-	-	4
Other (Individual Studies)		5	2	-	-	-	-	-	3	-
Other (Home Ec. & Bus.)		6	4	1	-	-	-	-	-	1
Other (Unspecified)		77	8	15	-	-	-	14	-	40
LAW	Total	60	3	1	4	-	1	-	50	1
Law, general		45	-	-	-	-	1	-	43	1
Other (Para Legal)		1	-	-	-	-	-	-	1	-
Other (Unspecified)		14	3	1	4	-	-	-	6	-
LETTERS	Total	1,810	178	84	260	87	39	184	300	678
English, general		1,002	107	48	164	51	27	107	139	359
Literature, English		176	10	2	7	3	-	25	20	109
Comparative literature		7	-	-	2	-	-	-	1	4
Classics		35	2	1	3	2	-	-	8	19
Linguistics (include phonetics, semantics & philology)		5	-	-	3	-	-	-	1	1
Speech, debate & forensic sicence (rhetoric & public address)		115	18	1	20	3	4	19	19	31
Creative writing		1	-	-	-	-	-	-	1	-
Teaching of English as a foreign language		1	-	1	-	-	-	-	-	-
Philosophy		177	4	1	16	15	1	6	52	82
Religious studies (exclude theological professions)		170	31	27	37	9	5	11	38	12
Other (Ind. Studies)		1	-	-	-	-	-	-	1	-
Other (Interdepartmental)		2	-	-	1	1	-	-	-	-
Other (Speech Commun.)		4	1	-	1	-	-	-	1	1
Other (Humanities)		2	-	-	-	-	-	1	-	1
Other (Unspecified)		112	5	3	6	3	2	15	19	59

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LIBRARY SCIENCE	Total	110	36	16	19	3	5	18	7	6
Library science, general		94	33	13	19	3	4	9	7	6
Other, (Unspecified)		16	3	3	-	-	1	9	-	-
MATHEMATICS	Total	801	164	128	60	24	8	81	128	208
Mathematics, general		779	157	124	59	23	8	78	125	205
Statistics, mathematical and theoretical		4	1	3	-	-	-	-	-	-
Applied mathematics		14	4	-	1	1	-	3	3	2
Other (Actuarial Sci.)		1	1	-	-	-	-	-	-	-
Other (Math. & Chem.)		1	1	-	-	-	-	-	-	-
Other (Math. & Psych.)		1	-	1	-	-	-	-	-	-
Other (Unspecified)		1	-	-	-	-	-	-	-	1
PHYSICAL SCIENCES	Total	1,255	152	110	59	17	20	91	447	359
Physical sciences, general		30	3	3	3	1	1	1	5	13
Physics, general (exclude biophysics)		134	11	20	7	1	1	9	49	36
Chemistry, general (exclude biochemistry)		548	91	40	14	5	8	36	236	118
Organic chemistry		1	1	-	-	-	-	-	-	-
Astronomy		9	-	1	-	-	-	-	7	1
Atmospheric sciences & meterology		35	3	8	1	2	2	3	3	13
Geology		134	16	19	5	4	1	11	33	45
Earth sciences, general		90	12	5	11	3	4	23	13	19
Oceanography		1	-	-	-	-	-	-	1	-
Metallurgy		17	3	5	1	-	-	-	3	5
Other (Pharmacology)		1	-	-	-	-	-	-	1	-
Other (Chemistry & Bus.)		1	-	-	-	-	-	-	-	1
Other (Natural Sci.)		63	2	2	-	-	-	-	30	29
Other (General Sci.)		9	2	-	3	-	-	-	1	3
Other (Unspecified)		182	8	7	14	1	3	8	65	76
PSYCHOLOGY	Total	2,273	240	74	233	83	67	293	414	869
Psychology, general		2,148	207	69	225	79	66	278	392	832
Experimental psychology (animal and human)		1	-	-	-	-	-	-	1	-
Clinical psychology		4	-	-	-	-	-	-	4	-
Psychology for counseling		11	3	-	-	-	-	-	8	-
Social psychology		6	2	-	2	-	-	1	1	-
Developmental psychology		1	-	-	-	-	-	1	-	-
Physiological psychology		1	-	-	-	-	-	1	-	-
Other (Mental Health)		51	17	4	3	2	-	1	5	19
Other (Hosp. Tech.)		2	1	1	-	-	-	-	-	-
Other (Behavioral Sci.)		20	6	-	1	1	-	7	-	5
Other (Psychbiology)		5	1	-	1	-	-	1	2	-
Other (Human Psych.)		23	3	-	1	1	1	3	1	13
PUBLIC AFFAIRS AND SERVICES	Total	1,500	326	90	158	49	53	228	142	454
Community services, gen.		42	6	2	1	1	-	9	2	21
Public administration		20	1	2	2	-	-	4	5	6
Parks and recreation management		227	38	16	34	9	8	39	5	78
Social work and helping services (other than clinical social work)		560	125	23	49	21	19	101	74	148
Law enforcement & corrections (bacc. & higher programs)		406	120	34	58	14	20	43	17	100
International public service (other than diplomatic service)		30	1	2	6	-	-	3	6	12
Other (Safety Mgmt.)		14	7	4	-	-	-	1	-	2
Other (Unspecified)		201	28	7	8	4	6	28	33	87

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
SOCIAL SCIENCES Total	4,698	506	186	568	225	98	600	935	1,580
Social sciences, general	379	48	11	51	16	7	51	34	161
Anthropology	118	2	1	17	4	3	10	32	49
Archaeology	3	1	-	1	-	-	-	1	-
Economics	661	109	53	36	16	7	44	157	239
History	805	55	15	124	60	21	90	186	254
Geography	119	8	3	14	9	3	17	24	41
Political science and government	1,173	43	39	143	59	15	133	316	425
Sociology	853	114	35	143	42	27	144	104	244
Criminology	299	87	23	17	7	12	55	15	83
International relations	29	4	1	2	6	-	1	9	6
Afro-American (black culture)	6	2	-	1	-	-	-	1	2
Other (Gov't Foreign Affairs)	1	-	-		-	-	-	1	-
Urban studies	58	7	2	9	1	-	7	15	17
Other (Sociology & Anthropology)	101	21	2	5	3	-	31	10	29
Other (Pre-Law)	3	-	-	-	-	-	-	2	1
Other (Social Work)	15	4	-	2	-	1	2	4	2
Other (Unspecified)	44	1	1	2	-	2	12	10	16
Other (Gov't Law)	31	-	-	1	2	-	3	14	11
THEOLOGY Total	241	45	40	24	10	4	12	70	36
Theological professions, gen.	176	31	32	19	10	3	8	42	31
Religious music	5	-	3	-	-	-	1	1	-
Religious education	60	14	5	5	-	1	3	27	5
INTERDISCIPLINARY STUDIES Total	839	95	39	70	27	14	112	170	312
General liberal arts & sci.	375	37	13	45	16	10	40	60	154
Biological & physical sci.	107	13	6	7	3	2	19	23	34
Humanities and social sci.	92	10	4	10	6	1	14	28	19
Other (Environ. Studies)	7	1	1	-	-	1	1	2	1
Other (Commerce & Eng.)	31	11	9	-	-	-	4	1	6
Other (Unspecified)	205	14	4	8	2	-	34	52	91
Other (Self-Designed)	27	9	2	-	-	-	-	4	7

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Owned Institutions in Pennsylvania, 1976

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES Total	54	7	9	6	3	-	13	3	13
Natural resources management	17	6	2	1	1	-	4	-	3
Other (Environmental Sci.)	37	1	7	5	2	-	9	3	10
ARCHITECTURE AND ENVIRONMENTAL DESIGN									
City, community and regional planning	8	-	-	-	-	-	1	3	4
AREA STUDIES									
American studies	3	-	-	3	-	-	-	-	-
BIOLOGICAL SCIENCES Total	438	44	24	64	11	8	105	63	119
Biology, general	411	40	23	63	11	7	102	61	104
Marine biology	5	-	-	-	-	1	-	-	4
Other (Natural Science)	1	-	-	-	-	-	-	-	1
Other (Environmental Studies)	15	3	-	1	-	-	2	-	9
Other (Biology/Chemistry)	6	1	1	-	-	-	1	2	1
BUSINESS AND MANAGEMENT Total	1,069	303	67	142	37	7	272	28	213
Business and commerce, general	113	41	2	17	2	3	9	4	35
Accounting	379	92	28	73	18	2	105	11	50
Banking and finance	8	4	1	1	-	-	-	1	1
Business management and administration	488	140	27	44	15	1	147	8	106
Marketing and purchasing	59	20	8	6	1	1	9	3	11
Real estate	1	-	-	-	-	-	-	-	1
Personnel management	6	1	-	-	-	-	1	-	4
Business economics	11	3	1	-	1	-	1	-	4
Other (Computer & Quantitative Sci.	4	2	-	1	-	-	-	-	1
COMMUNICATIONS Total	147	42	13	9	3	9	10	6	55
Communications, general	68	16	7	8	2	2	5	4	24
Journalism (printed media)	26	8	5	-	-	-	2	2	9
Advertising	53	18	1	1	1	7	3	-	22
COMPUTER AND INFORMATION SCIENCES Total	46	23	8	2	-	-	2	2	9
Computer and information sciences, general	19	8	6	1	-	-	-	1	3
Systems analysis	12	9	-	-	-	-	-	1	2
Other (Math. Computer Sci.)	15	6	2	1	-	-	2	-	4
EDUCATION Total	7,109	2,085	570	851	105	376	1,703	369	1,050
Elementary education, gen.	2,438	659	147	259	31	151	684	92	415
English education	183	64	13	21	4	8	37	10	26
Home economics education	137	57	8	23	1	1	29	7	11
French	50	13	-	10	-	2	18	3	4
German	33	8	1	6	-	-	4	3	11
Spanish	54	14	1	10	1	3	18	-	7
Russian	3	-	-	-	-	-	1	-	2
Nursing education	167	70	4	54	1	-	9	3	26
Biology education	90	40	6	12	-	1	19	2	10
Chemistry education	13	8	4	-	-	1	-	-	-
Earth and space science education	49	21	3	10	-	1	7	5	2
Physics education	11	6	-	3	-	-	-	1	1
Social studies education	413	59	20	81	12	29	129	22	61
Speech and dramatic arts education	28	7	1	2	1	3	5	1	8
Special education, gen.	236	107	28	13	2	5	52	4	25
Public School Nurse	1	1	-	-	-	-	-	-	-
Education of the mentally retarded	621	208	98	54	5	32	126	37	61
Education of the visually handicapped	35	13	10	3	-	1	2	2	4
Speech correction	289	76	37	24	-	13	41	65	33
Education of the emotionally disturbed	112	62	8	11	-	7	13	3	8
Education of the physically handicapped	34	5	7	2	1	5	7	2	5
Pre-elementary education (kindergarten)	29	11	2	5	-	4	7	-	-

Table 30.1

Employment Status by Degree Field for Baccalaureate
Degree Recipients for State-Owned Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Art education (methodology and theory)		325	75	23	58	9	25	59	12	64
Music education (methodology and theory)		268	86	31	17	5	2	42	19	66
Mathematics education (methodology and theory)		171	71	23	22	3	4	30	5	13
Science education (methodology and theory)		11	6	-	2	1	-	1	-	1
Physical education		849	144	57	72	13	65	303	46	149
Health education (include family life education)		43	7	3	9	2	1	9	3	9
Business, commerce and distributive education		123	53	10	33	3	1	10	9	10
Industrial arts, vocational & tech. education		180	106	21	29	2	-	14	5	3
Other (Communication)		69	10	3	6	8	11	16	6	9
Other (Rehabilitation Education)		16	3	-	-	-	-	7	2	4
Other (Dental Hygiene)		10	9	-	-	-	-	-	-	1
Other (Library)		11	5	1	-	-	-	4	-	1
Other (Math. Physics)		1	1	-	-	-	-	-	-	-
FINE AND APPLIED ARTS	Total	190	19	7	30	8	7	39	14	66
Fine arts, general		84	7	3	12	3	7	8	4	40
Art (painting, drawing, sculpture)		26	2	2	1	2	-	15	-	4
Art history and appreciation		32	4	-	11	3	-	3	1	10
Music (performing, composition, theory)		13	3	1	1	-	-	6	2	-
Music (liberal arts program)		10	2	-	1	-	-	-	5	2
Music history & appreciation (musicology)		3	-	-	1	-	-	-	-	2
Dramatic arts		21	1	1	2	-	-	7	2	8
Other (Theater)		1	-	-	1	-	-	-	-	-
FOREIGN LANGUAGES	Total	125	13	8	14	5	5	34	13	33
French		43	4	2	5	1	4	9	6	12
German		21	3	2	3	-	-	4	4	5
Spanish		53	6	3	5	4	1	18	3	13
Russian		7	-	1	1	-	-	3	-	2
Latin		1	-	-	-	-	-	-	-	1
HEALTH PROFESSIONS	Total	304	174	32	10	-	4	15	3	66
Nursing (baccalaureate and higher programs)		149	56	7	6	-	-	12	2	26
Dental hygiene (baccalaureate & higher programs)		11	7	-	2	-	-	-	-	2
Speech pathology & audio.		18	4	1	1	-	2	-	-	10
Clinical social work (med. and psychiatric & specialized rehab. services)		9	4	-	1	-	-	1	1	2
Medical lab. technologies (bacc. & highe. programs)		90	48	13	-	-	2	2	-	25
Other (Respiratory)		7	5	2	-	-	-	-	-	-
Other (Inhalation Therapy)		19	9	9	-	-	-	-	-	1
Other (Nuclear Med. Tech.)		1	1	-	-	-	-	-	-	-
HOME ECONOMICS	Total	184	79	10	7	-	1	26	10	51
Home economics, general		93	42	3	1	-	-	13	-	34
Clothing and textiles		12	6	-	1	-	-	2	-	3
Family relations & child development		15	7	-	4	-	1	2	-	1
Foods and nutrition (include dietetics)		60	24	7	1	-	-	9	10	9
Other (Food & Equip.)		4	-	-	-	-	-	-	-	4
LETTERS	Total	290	49	7	41	11	2	54	26	100
English, general		207	31	6	31	8	1	31	15	84
Literature, English		20	4	-	1	-	-	14	-	-
Speech, debate & forensic science (rhetroic & public address)		27	9	1	3	1	1	6	4	2
Philosophy		30	4	-	5	2	-	2	5	12
Other (Speech Commun.)		4	1	-	1	-	-	-	1	1
Other (Humanities)		2	-	-	-	-	-	1	-	1

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Owned Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LIBRARY SCIENCE	Total	104	35	15	19	3	5	17	4	6
Library science, general		88	32	12	19	3	4	8	4	6
Other (Unspecified)		16	3	3	-	-	1	9	-	-
MATHEMATICS	Total	210	48	19	22	5	3	29	27	57
Mathematics, general		207	46	19	22	5	3	29	26	57
Applied mathematics		3	2	-	-	-	-	-	1	-
PHYSICAL SCIENCES	Total	181	51	15	15	3	3	27	35	32
Physical sciences, general		10	2	1	2	-	1	1	2	1
Physics, general (exclude biophysics)		11	2	1	1	-	-	-	2	5
Chemistry, general (exclude biochemistry)		71	27	2	3	-	1	7	21	10
Geology		29	9	6	1	1	-	2	5	5
Earth sciences, general		58	10	5	8	2	1	17	5	10
Other (Natural Sciences)		2	1	-	-	-	-	-	-	1
PSYCHOLOGY	Total	498	70	13	80	17	14	113	48	143
Psychology, general		475	67	13	79	16	13	110	47	130
Other (Human Psychology)		23	3	-	1	1	1	3	1	13
PUBLIC AFFAIRS AND SERVICES	Total	290	84	20	33	16	5	49	13	70
Parks and recreation management		85	15	8	16	6	1	15	2	22
Social work and helping services (other than clinical social work)		153	55	7	16	9	4	31	8	23
Law enforcement & corrections (bacc. & higher programs)		38	7	1	1	1	-	2	2	23
Other (Safety Management)		14	7	4	-	-	-	1	-	2
SOCIAL SCIENCES	Total	1,203	188	35	160	45	19	272	111	373
Social sciences, general		143	27	6	28	5	4	24	3	46
Anthropology		11	-	1	2	-	-	2	2	4
Economics		59	22	1	6	1	1	9	7	12
History		105	6	-	23	10	2	22	17	25
Geography		79	7	3	10	8	3	10	15	23
Political science and government		279	16	12	37	6	3	62	36	107
Sociology		252	36	2	47	12	6	68	15	66
Criminology		162	45	7	1	-	-	43	7	59
International relations		8	4	1	-	-	-	1	1	1
Urban studies		19	6	-	3	1	-	3	1	5
Other (Sociology/Anthropology)		83	19	2	3	2	-	28	5	24
Other (Pre-Law)		3	-	-	-	-	-	-	2	1
INTERDISCIPLINARY STUDIES	Total	101	14	7	7	3	2	17	21	30
General liberal arts & sci.		15	-	-	-	-	-	-	2	13
Biological & physical sci.		71	12	6	4	3	1	14	16	15
Humanities and social sci.		15	2	1	3	-	1	3	3	2

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	470	78	47	41	10	14	40	44	196
Agriculture, general		34	5	3	4	-	3	3	1	15
Agronomy (field crops, and crop management		23	7	1	1	1	-	1	1	11
Animal science (husbandry)		116	20	9	7	2	4	6	19	49
Horticulture (fruit and vegetable production)		67	18	4	3	1	-	4	3	34
Agricultural economics		14	3	-	-	-	-	-	2	7
Agricultural business		11	3	1	1	-	1	-	-	5
Food science & technology		9	3	4	-	-	-	1	-	1
Forestry		83	9	15	15	5	3	8	5	23
Natural resources management		91	5	7	10	1	3	12	9	44
Other (unspecified)		22	5	3	-	-	-	3	4	7
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	150	25	7	6	2	7	19	13	71
Architecture		82	17	4	5	-	2	15	6	33
Landscape architecture		68	8	3	1	2	5	4	7	38
AREA STUDIES	Total	17	1	-	3	1	-	1	6	5
East Asian studies		7	1	-	2	-	-	-	2	2
Latin American studies		1	-	-	-	-	-	-	-	1
American studies		9	-	-	1	1	-	1	4	2
BIOLOGICAL SCIENCES	Total	568	38	23	42	13	14	55	174	209
Biology, general		418	25	16	34	11	14	47	130	141
Microbiology		44	5	4	4	1	-	4	9	17
Biochemistry		78	8	2	3	-	-	3	22	40
Biophysics		6	-	-	-	1	-	-	4	1
Other (Unspecified)		22	-	1	1	-	-	1	9	10
BUSINESS AND MANAGEMENT	Total	1,638	409	168	144	42	34	200	77	564
Business and commerce, general		396	92	14	22	3	5	52	23	185
Accounting		551	171	73	36	7	9	67	26	162
Business statistics		2	-	-	-	-	-	1	-	1
Banking and finance		80	12	5	13	2	1	12	1	34
Business management and administration		162	44	19	24	6	4	14	7	44
Marketing and purchasing		224	48	29	21	6	11	27	6	76
Transportation and public utilities		85	10	15	11	14	1	11	1	22
Real estate		4	3	1	-	-	-	-	-	-
Insurance		36	14	-	5	-	-	5	3	9
Labor & industrial relations		32	5	4	2	-	3	4	4	10
Business economics		40	6	4	7	3	-	2	5	13
Other (Actuarial Sci.)		3	2	-	-	-	-	-	1	-
Other (Unspecified)		23	7	4	3	1	-	5	-	8
COMMUNICATIONS	Total	310	68	22	48	14	27	49	11	71
Communications, general		1	-	-	1	-	-	-	-	-
Journalism (printed media)		186	48	11	24	6	11	27	8	51
Radio/television		83	14	8	20	6	13	17	3	2
Advertising		40	6	3	3	2	3	5	-	18
COMPUTER AND INFORMATION SCIENCES	Total	132	43	29	2	1	1	12	11	33
Computer and information sciences, general		121	42	28	-	1	1	10	8	31
Information sciences and systems		11	1	1	2	-	-	2	3	2

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Pursuing Advanced Degree	All Others
EDUCATION	Total	1,683	330	71	133	34	205	145	159	606
Elementary education, gen.		588	93	13	49	12	91	55	67	208
Secondary education, gen.		195	32	11	15	4	23	-	23	87
Education of the mentally retarded		159	45	22	8	2	10	9	4	59
Speech correction		48	12	7	1	-	3	3	11	11
Educational psychology (include learning theory)		1	1	-	-	-	-	-	-	-
Pre-elementary education (kindergarten)		11	6	1	1	-	-	1	2	-
Reading education (methodology and theory)		21	2	-	-	-	-	2	5	12
Art education (methodology and theory)		79	10	1	7	1	24	11	2	23
Music education (methodology and theory)		37	6	2	5	2	1	5	2	14
Mathematics education (methodology and theory)		3	3	-	-	-	-	-	-	-
Science education (methodology and theory)		3	1	-	-	-	1	1	-	-
Physical education		157	15	6	17	5	32	23	7	52
Health education (include family life education)		9	3	1	3	-	-	1	-	1
Business, commerce and distributive education		53	13	-	5	-	1	4	10	20
Industrial arts, vocational & tech. education		112	58	2	3	2	2	7	8	30
Other (Unspecified)		207	30	5	19	6	17	23	18	89
ENGINEERING	Total	1,029	188	196	26	16	9	92	109	393
Aerospace, aeronautical & astronautical engineering		18	1	7	-	-	-	1	3	6
Agricultural engineering		10	5	-	2	-	-	-	1	2
Architectural engineering		32	4	15	1	1	-	2	2	7
Chemical engineering (include petroleum refining)		80	7	28	-	-	1	7	7	35
Petroleum engineering (exclude petroleum refining)		15	1	8	-	-	-	-	-	6
Civil, construction & transportation engineering		160	31	25	-	6	1	29	32	34
Electrical, electronics & communications engineering		186	31	38	-	2	1	23	26	61
Mechanical engineering		134	43	21	1	2	-	15	14	38
Industrial & management eng.		48	9	6	2	1	-	6	3	21
Metallurgical engineering		18	3	4	1	-	-	1	1	8
Materials engineering		3	-	-	-	-	-	-	2	1
Ceramic engineering		17	2	4	1	-	-	-	5	5
Mining & mineral eng.		27	10	7	-	-	1	-	-	9
Nuclear engineering		31	3	7	-	2	1	4	4	10
Engineering mechanics		8	3	2	-	-	-	1	-	2
Environmental & sanitary eng.		13	1	4	1	-	-	3	-	4
Engineering tech. (baccalaureate & higher programs		215	32	16	10	2	4	5	7	139
Other (Unspecified)		14	2	4	1	-	-	-	2	5
FINE AND APPLIED ARTS	Total	341	28	24	28	17	34	39	40	131
Art (painting, drawing, sculpture		159	10	5	11	9	18	17	19	70
Art history and appreciation		36	1	-	7	-	2	1	4	21
Music (performing, composition, theory		31	9	5	1	1	4	2	6	3
Music (liberal arts program)		16	1	-	2	-	1	4	3	5
Music history & appreciation (musicology)		1	-	-	-	-	-	-	1	-
Dramatic arts		70	4	10	5	1	5	10	3	32
Applied design (ceramics, weaving, textile design, fashion design, jewelry, metalsmithing, interior decoration, commercial art)		18	2	4	2	1	3	5	1	-
Photography		2	-	-	-	1	-	-	1	-
Other (Opera)		1	-	-	-	-	-	-	1	-
Other (Printmaking)		5	1	-	-	3	-	-	1	-
Other (Unspecified)		2	-	-	-	1	1	-	-	-

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
FOREIGN LANGUAGES	Total	144	12	4	20	5	4	15	17	67
French		44	3	2	8	1	1	3	6	20
German		23	2	-	4	-	2	3	-	12
Italian		8	1	-	-	1	-	2	1	3
Spanish		40	5	1	5	2	1	6	7	13
Russian		21	-	1	2	-	-	1	2	15
Chinese		4	-	-	-	-	-	-	-	4
Hebrew		2	-	-	1	-	-	-	1	-
Other (Unspecified)		2	1	-	-	1	-	-	-	-
HEALTH PROFESSIONS	Total	806	271	58	12	8	11	70	95	281
Health professions, general		127	22	11	9	6	5	12	16	46
Nursing (baccalaureate and higher programs)		314	148	27	1	1	2	10	27	98
Medicine, M.D. degree		1	-	-	-	-	-	-	1	-
Occupational therapy		18	10	6	-	-	1	-	-	1
Pharmacy		96	16	2	-	1	-	20	12	45
Physical therapy		69	22	6	1	-	-	11	10	19
Speech pathology & audio		38	5	-	-	-	-	5	9	19
Medical lab. technologies (bacc. & higher programs)		143	48	6	1	-	3	12	20	53
HOME ECONOMICS	Total	239	45	26	24	4	8	24	10	98
Family relations & child development		162	33	5	20	4	8	22	8	62
Institutional management & cafeteria management		77	12	21	4	-	-	2	2	36
LAW										
Law, general		4	-	-	-	-	1	-	3	-
LETTERS	Total	548	23	6	74	11	17	63	70	284
English, general		200	9	1	43	4	12	28	20	83
Literature, English		91	-	-	1	-	-	8	7	75
Comparative literature		4	-	-	-	-	-	-	-	4
Classics		6	1	1	-	-	-	-	1	3
Linguistics (include phonetics, semantics & philology)		4	-	-	3	-	-	-	-	1
Speech, debate & forensic science (rhetoric & public address)		76	8	-	16	2	3	10	14	23
Philosophy		47	-	1	3	2	-	2	6	33
Religious studies (exclude theological professions)		8	-	-	2	-	-	-	3	3
Other (Unspecified)		112	5	3	6	3	2	15	19	59
MATHEMATICS	Total	173	18	15	11	6	1	23	32	67
Mathematics, general		165	17	15	10	5	1	21	31	65
Applied mathematics		8	1	-	1	1	-	2	1	2
PHYSICAL SCIENCES	Total	459	37	33	20	8	9	31	139	182
Physics, general (exclude biophysics)		28	2	-	1	1	-	1	10	13
Chemistry, general (exclude biochemistry)		138	19	8	-	1	1	10	45	54
Astronomy		8	-	1	-	-	-	-	6	1
Atmospheric sciences & meteorology		35	3	8	1	2	2	3	3	13
Geology		35	2	4	1	2	1	6	7	12
Earth sciences, general		18	-	-	2	1	2	3	2	8
Metallurgy		15	3	5	1	-	-	-	1	5
Other (Unspecified)		182	8	7	14	1	3	8	65	76
PSYCHOLOGY										
Psychology, general		672	28	13	56	15	27	59	152	322

Table 30.2

Employment Status by Degree Field for Baccalaureate
Degree Recipients for State-Related Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
PUBLIC AFFAIRS AND SERVICES	Total	841	134	37	77	19	31	123	98	322
Community services, general		42	6	2	1	1	-	9	2	21
Public administration		17	1	2	2	-	-	3	5	4
Parks and recreation management		142	23	8	18	3	7	24	3	56
Social work and helping services (other than clinical social work)		266	43	10	22	4	11	41	41	94
Law enforcement & corrections (bacc. & higher programs)		148	32	6	22	7	7	15	8	51
International public service (other than diplomatic service)		25	1	2	4	-	-	3	6	9
Other (Unspecified)		201	28	7	8	4	6	28	33	87
SOCIAL SCIENCES	Total	1,185	55	25	131	21	24	97	244	588
Social sciences, general		128	4	1	11	-	2	6	8	96
Anthropology		85	1	-	12	3	3	8	21	37
Economics		246	17	7	12	2	1	21	51	135
History		180	8	3	23	9	9	15	39	74
Geography		35	1	-	4	-	-	7	8	15
Political science and government		309	7	8	35	7	5	17	79	151
Sociology		142	14	4	27	-	4	20	21	52
Afro-American (black culture studies)		6	2	-	1	-	-	-	1	2
Urban studies		22	-	1	4	-	-	1	6	10
Other (Unspecified)		32	1	1	2	-	-	2	10	16
INTERDISCIPLINARY STUDIES	Total	504	38	13	52	12	7	66	103	213
General liberal arts & sci.		290	23	9	42	10	6	32	47	121
Biological & physical sci.		9	1	-	2	-	1	-	4	1
Other (Unspecified)		205	14	4	8	2	-	34	52	91

Table 30.3

Employment Status by Degree Field for Baccalaureate
Degree Recipients for State-Aided Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	150	67	47	2	5	-	8	13	8
Agronomy (field crops, and crop management		15	6	5	-	-	-	2	1	1
Animal science (husbandry)		42	16	13	1	5	-	4	3	-
Dairy science (husbandry)		14	9	2	-	-	-	1	1	1
Horticulture (fruit and vegetable production)		26	13	10	-	-	-	1	2	-
Ornamental horticulture (floriculture, nursery sci.)		41	19	15	-	-	-	-	2	5
Food science & technology		12	4	2	1	-	-	-	4	1
BIOLOGICAL SCIENCES										
Biology, general		54	6	3	3	3	-	7	18	14
BUSINESS AND MANAGEMENT	Total	555	242	71	51	5	16	58	13	99
Business and commerce, general		41	15	5	1	-	1	5	1	13
Accounting		237	122	22	22	2	3	26	3	37
Banking and finance		31	13	3	1	-	3	1	-	10
Business management and administration		90	48	11	5	1	3	10	2	10
Marketing and purchasing		111	29	17	22	2	4	14	3	20
Business economics		6	1	-	-	-	-	2	-	3
Other (Textile Management & Marketing)		39	14	13	-	-	2	-	4	6
EDUCATION										
Education, general		560	304	31	9	6	14	20	1	175
ENGINEERING	Total	233	53	84	-	5	-	28	22	41
Chemical engineering (include petroleum refining)		31	8	18	-	-	-	3	1	1
Civil, construction & transportation engineering		50	8	14	-	-	-	10	6	12
Electrical, electronics & communications engineering		76	23	27	-	-	-	9	4	13
Mechanical engineering		52	12	21	-	-	-	5	4	10
Metallurgical engineering		8	1	1	-	-	-	1	2	3
Other (Textile Eng.)		16	1	3	-	5	-	-	5	2
FINE AND APPLIED ARTS	Total	63	14	19	10	7	9	-	-	4
Music (performing, composition, theory)		9	1	1	-	-	-	-	-	2
Applied design (ceramics, weaving, textile design, fashion design, jewelry, metalsmithing, interior decoration, commercial art)		50	5	18	9	7	9	-	-	2
HEALTH PROFESSIONS	Total	91	68	13	-	-	-	1	2	7
Nursing (baccalaureate and higher programs)		60	44	7	-	-	-	1	1	7
Medical lab technologies (bacc. & higher programs)		31	24	6	-	-	-	-	1	-
HOME ECONOMICS	Total	129	16	17	1	-	-	20	3	72
Home economics, general		4	1	-	-	-	-	1	-	2
Family relations & child development		19	3	1	-	-	-	1	-	14
Foods and nutrition (include dietetics)		30	4	2	1	-	-	4	3	16
Other (Unspecified)		76	8	14	-	-	-	14	-	40
MATHEMATICS										
Mathematics, general		47	14	8	-	-	-	6	7	12
PHYSICAL SCIENCES	Total	49	12	5	-	-	2	8	9	13
Physics, general (exclude biophysics)		16	1	4	-	-	-	2	2	
Chemistry, general (exclude biochemistry)		33	11	1	-	-	2	6	7	6

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
PSYCHOLOGY										
Other (Mental Health)		26	15	-	1	-	-	1	2	7
PUBLIC AFFAIRS AND SERVICES										
Law enforcement & corrections (bacc. & higher programs)		17	16	-	1	-	-	-	-	-
INTERDISCIPLINARY STUDIES	Total	57	13	11	-	-	-	8	1	24
Biological & physical sci.		22	-	-	-	-	-	4	-	18
Humanities and social sci.		4	2	2	-	-	-	-	-	-
Other (Commerce & Engineering)		31	11	9	-	-	-	4	1	6

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	15	2	2	-	-	-	2	6	3
Animal science (husbandry)		7	-	2	-	-	-	-	2	3
Fish, game and wildlife management		2	-	-	-	-	-	1	1	-
Forestry		2	2	-	-	-	-	-	-	-
Range management		1	-	-	-	-	-	-	1	-
Other (Environ. Studies)		3	-	-	-	-	-	1	2	-
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	57	20	3	2	2	-	3	2	25
Environmental design, gen.		1	-	-	-	-	-	-	-	1
Architecture		33	11	2	1	1	-	1	1	16
Interior design		23	9	1	1	1	-	2	1	8
AREA STUDIES	Total	47	-	1	5	4	-	2	4	31
Russian and Slavic studies		3	-	-	-	-	-	-	-	3
Latin American studies		1	-	-	-	-	-	1	-	-
European studies, general		1	-	-	1	-	-	-	-	-
West European studies		24	-	-	1	1	-	-	3	19
American studies		17	-	1	3	3	-	1	1	8
Other (Medieval Studies)		1	-	-	-	-	-	-	-	1
BIOLOGICAL SCIENCES	Total	1,278	103	51	103	40	22	116	491	352
Biology, general		1,197	95	51	101	38	21	101	457	333
Plant pathology		1	-	-	-	-	-	-	1	-
Physiology, human & animal		2	-	-	-	-	-	-	2	-
Microbiology		3	-	-	-	-	-	-	3	-
Anatomy		1	-	-	-	-	-	-	1	-
Histology		1	1	-	-	-	-	-	-	-
Biochemistry		31	3	-	1	-	-	4	15	8
Biophysics		2	1	-	-	-	-	-	-	1
Marine biology		1	1	-	-	-	-	-	-	-
Ecology		25	2	-	1	-	-	11	8	3
Other (Environ. Studies)		4	-	-	-	2	-	-	1	1
Other (Individual Studies)		2	-	-	-	-	-	-	2	-
Other (Pre-Med.)		8	-	-	-	-	1	-	1	6
BUSINESS AND MANAGEMENT	Total	2,833	858	477	172	65	68	353	192	648
Business and commerce, general		595	171	164	32	13	6	57	23	129
Accounting		958	328	172	57	17	36	137	59	152
Business statistics		1	-	-	-	-	-	1	-	-
Banking and finance		151	36	15	12	7	4	30	12	34
Business management and administration		800	252	93	38	15	15	80	59	248
Hotel and restaurant management		7	4	3	-	-	-	-	-	-
Marketing and purchasing		137	42	12	11	5	6	25	9	27
Transportation and public utilities		9	2	1	3	-	-	3	-	-
Insurance		4	3	-	-	1	-	-	-	-
Secretarial studies (baccalaureate & higher programs		6	2	-	2	-	-	2	-	-
Personnel management		1	-	-	-	-	-	-	-	1
Labor & industrial relations		12	-	3	3	-	-	6	-	-
Business economics		146	16	14	9	7	1	12	30	57
Other (unspecified)		7	2	-	5	-	-	-	-	-
COMMUNICATIONS	Total	208	25	13	20	6	3	20	27	94
Communications, general		141	9	6	10	5	2	14	21	74
Journalism (printed media)		54	11	6	6	1	1	4	6	19
Radio/television		6	3	1	-	-	-	2	-	-
Communication media (use of videotape, films, etc., oriented specifically toward radio/television		6	2	-	3	-	-	-	-	1
Other (Theater & Communication)		1	-	-	1	-	-	-	-	-
COMPUTER AND INFORMATION SCIENCES	Total	57	26	6	2	-	1	5	2	15
Computer and information sciences, general		40	20	6	2	-	1	4	2	5
Information sciences and systems		6	2	-	-	-	-	1	-	3
Data processing		5	-	-	-	-	-	-	-	5
Computer programming		6	4	-	-	-	-	-	-	2

Table 30.4

Employment Status by Degree Field for Baccalaureate
Degree Recipients for Private Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION Total	1,938	519	182	179	87	79	247	128	517
Education, general	133	49	15	4	1	-	2	10	52
Elementary education, gen.	785	231	81	51	28	33	104	41	216
Secondary education, gen.	68	19	1	9	4	4	6	4	21
English education	121	19	7	11	13	2	16	17	36
Home economics education	36	10	8	3	4	1	7	-	3
French	14	4	-	4	-	-	2	-	4
German	17	2	-	4	1	-	2	3	5
Spanish	27	5	2	6	1	-	8	-	5
Latin	8	-	1	1	-	-	1	-	5
Nursing education	1	1	-	-	-	-	-	-	-
Biology education	13	2	2	2	-	-	1	-	6
Chemistry education	5	4	-	-	-	-	-	1	-
Earth and space science education	2	1	-	1	-	-	-	-	-
Physics education	5	2	-	-	-	-	-	1	2
Social studies education	126	19	8	21	7	10	16	8	37
Speech and dramatic arts education	19	3	2	3	-	-	1	3	7
Junior high school education	1	-	1	-	-	-	-	-	-
Special education, gen.	61	13	6	9	3	6	10	-	14
Education of the mentally retarded	16	5	2	3	1	3	2	-	-
Speech correction	17	-	-	-	-	-	10	7	-
Educational psychology (include learning theory)	1	-	-	-	-	1	-	-	-
Pre-elementary education (kindergarten)	47	15	4	6	2	3	6	-	11
Educational testing, evaluation & measurement	8	-	1	-	1	-	-	2	4
Educational administration	2	1	-	-	-	-	-	1	-
Art education (methodology and theory)	55	9	3	7	2	3	6	-	25
Music education (methodology and theory)	188	58	20	12	9	11	22	23	33
Mathematics education (methodology and theory)	43	12	4	4	6	1	7	3	6
Science education (methodology and theory)	3	1	1	1	-	-	-	-	-
Physical education	33	11	7	3	1	-	5	4	2
Business, commerce and distributive education	79	23	6	13	3	1	12	-	21
Other (Communications)	2	-	-	-	-	-	-	-	2
Other (Music Therapy)	2	-	-	1	-	-	1	-	-
ENGINEERING	909	275	302	3	25	-	54	110	140
Engineering, general	51	18	10	-	-	-	6	5	12
Bioengineering and biomedical engineering	1	-	-	-	-	-	-	1	-
Chemical engineering (include petroleum refining)	110	24	61	-	1	-	2	15	7
Civil, construction & transportation engineering	181	53	48	-	10	-	16	30	24
Electrical, electronics & communications engineering	192	61	63	1	9	-	10	19	29
Mechanical engineering	147	40	68	-	3	-	7	21	8
Industrial & management eng.	60	17	17	-	1	-	3	10	12
Metallurgical engineering	21	7	12	-	-	-	-	1	1
Materials engineering	2	-	1	-	-	-	-	1	-
Engineering physics	2	-	1	-	-	-	-	1	-
Engineering tech. (baccalaureate & higher programs)	122	51	15	1	-	-	9	1	45
Other (Eng. Sci.)	11	3	5	-	-	-	-	1	2
Other (Fund. Sci.)	9	1	1	1	1	-	1	4	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
FINE AND APPLIED ARTS	Total	511	78	51	37	22	25	43	91	164
Fine arts, general		90	6	2	2	4	3	3	22	48
Art (painting, drawing, sculpture		111	47	11	13	6	10	12	10	32
Art history and appreciation		19	-	1	2	5	1	2	2	6
Music (performing, composition, theory		64	5	7	4	1	5	6	30	6
Music (liberal arts program)		66	18	9	9	2	2	4	12	10
Music history & appreciation (musicology)		2	-	-	-	-	-	1	1	-
Dramatic arts		73	20	12	3	3	1	5	7	22
Dance		18	1	1	1	-	2	1	1	11
Applied design (ceramics, weaving, textile design, fashion design, jewelry, metalsmithing, interior decoration, commercial art)		62	9	6	3	1	1	9	5	28
Cinematography		1	-	-	-	-	-	-	1	-
Photography		4	2	1	-	-	-	-	-	1
Other		1	-	1	-	-	-	-	-	-
FOREIGN LANGUAGES	Total	266	15	19	38	27	6	22	67	72
Foreign languages, general (Includes concentration on more than one foreign language without major emphasis on one language)		10	1	-	3	2	-	4	-	-
French		94	4	9	11	11	-	10	23	26
German		49	2	3	9	6	3	2	16	8
Italian		1	-	-	-	-	-	1	-	-
Spanish		81	6	5	14	8	3	5	15	25
Russian		13	-	-	-	-	-	-	6	7
Japanese		6	-	2	-	-	-	-	2	2
Latin		8	2	-	1	-	-	-	4	1
Greek, classical		4	-	-	-	-	-	-	1	3
HEALTH PROFESSIONS	Total	703	359	78	3	3	6	36	81	137
Health professions, general		10	3	3	-	1	-	-	3	-
Nursing (baccalaureate and higher programs)		442	257	43	1	1	4	24	6	106
Dentistry, D.D.S. or D.M.D. degree		5	1	-	-	-	-	-	4	-
Medicine, M.D. degree		44	2	-	-	-	-	-	42	-
Occupational therapy		13	9	1	-	-	-	2	-	1
Optometry		1	-	-	-	-	-	-	1	-
Osteopathic medicine, D.O. degree		3	1	-	-	-	-	-	2	-
Pharmacy		33	25	6	-	-	-	-	2	-
Public health		3	1	-	-	-	-	-	2	-
Medical record librarianship		18	8	7	-	-	-	-	-	3
Podiatry (pod.D. or D.P. or podiatric med. (D.P.M.)		1	-	-	-	-	-	-	1	-
Veterinary medicine (D.V.M. degree)		1	1	-	-	-	-	-	-	-
Speech pathology & audio.		8	2	-	-	-	-	-	4	2
Chiropractic		1	-	-	-	-	-	-	1	-
Medical lab. technologies (bacc. & higher programs)		95	46	17	1	1	2	3	-	25
Radiologic technologies (bacc. & higher programs		1	-	-	-	-	-	1	-	-
Other (Pre-Medicine)		22	3	-	1	-	-	6	12	-
Other (Dance Therapy)		1	-	1	-	-	-	-	-	-
Other (Environm. Health)		1	-	-	-	-	-	-	1	-
HOME ECONOMICS	Total	121	29	27	10	16	5	11	14	15
Home economics, general		59	11	8	9	5	5	9	7	5
Clothing and textiles		4	1	-	1	-	-	1	-	1
Foods and nutrition (include dietetics)		46	11	11	-	11	-	1	4	8
Other (Individual Studies)		5	2	-	-	-	-	-	3	-
Other (Home Ec. & Bus.)		6	4	1	-	-	-	-	-	1
Other (Unspecified)		1	-	1	-	-	-	-	-	-
LAW	Total	56	3	1	4	-	-	-	47	1
Law, general		41	-	-	-	-	-	-	40	1
Other (Para-Legal)		1	-	-	-	-	-	-	1	-
Other (Unspecified)		14	3	1	4	-	-	-	6	-

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
LETTERS	Total	972	106	71	145	65	20	67	204	294
English, general		595	67	41	90	39	14	48	104	192
Literature, English		65	6	2	5	3	-	3	12	34
Comparative literature		3	-	-	2	-	-	-	1	-
Classics		29	1	-	3	2	-	-	7	16
Linguistics (include phonetics, semantics & philogy		1	-	-	-	-	-	-	1	-
Speech, debate & forensic science (rhetoric & public address)		12	1	-	1	-	-	3	1	6
Creative writing		1	-	-	-	-	-	-	1	-
Teaching of English as a foreign language		1	-	1	-	-	-	-	-	-
Philosophy		100	-	-	8	11	1	2	41	37
Religious studies (exclude theological professions)		162	31	27	35	9	5	11	35	9
Other (Ind. Studies)		1	-	-	-	-	-	-	1	-
Other (Interdepartmental)		2	-	-	1	1	-	-	-	-
LIBRARY SCIENCE										
Library science, general		6	1	1	-	-	-	1	3	-
MATHEMATICS	Total	371	84	86	27	13	4	23	62	72
Mathematics, general		360	80	82	27	13	4	22	61	71
Statistics, mathematical and theoretical		4	1	3	-	-	-	-	-	-
Applied mathematics		3	1	-	-	-	-	1	1	-
Other (Actuarial Sci.)		1	1	-	-	-	-	-	-	-
Other (Math & Chem.)		1	1	-	-	-	-	-	-	-
Other (Math & Psycho.)		1	-	1	-	-	-	-	-	-
Other (Unspecified)		1	-	-	-	-	-	-	-	1
PHYSICAL SCIENCES	Total	566	52	57	24	6	6	25	264	132
Physical sciences, general		20	1	2	1	1	-	-	3	12
Physics, general (exclude biophysics)		79	6	15	5	-	1	6	35	11
Chemistry, general (exclude biochemistry)		306	34	29	11	4	4	13	163	48
Organic chemistry		1	1	-	-	-	-	-	-	-
Astronomy		1	-	-	-	-	-	-	1	-
Geology		70	5	9	3	1	-	3	21	28
Earth sciences, general		14	2	-	1	-	1	3	6	1
Oceanography		1	-	-	-	-	-	-	1	-
Metallurgy		2	-	-	-	-	-	-	2	-
Other (Pharmacology)		1	-	-	-	-	-	-	1	-
Other (Chemistry Bus.)		1	-	-	-	-	-	-	-	1
Other (Natural Sci.)		61	1	2	-	-	-	-	30	28
Other (General Sci.)		9	2	-	3	-	-	-	1	3
PSYCHOLOGY	Total	1,077	127	48	96	51	26	120	212	397
Psychology, general		1,001	112	43	90	48	26	109	193	380
Experimental psychology (animal and human)		1	-	-	-	-	-	-	1	-
Clinical psychology		4	-	-	-	-		-	4	-
Psychology for counseling		11	3	-	-	-	-	-	8	-
Social psychology		6	2	-	2	-	-	1	1	-
Developmental psychology		1	-	-	-	-	-	1	-	-
Physiological psychology		1	-	-	-	-	-	1	-	-
Other (Hosp. Tech.)		2	1	1	-	-	-	-	-	-
Other (Behavorial Sci.)		20	6	-	1	1	-	7	-	5
Other (Psychobiology)		5	1	-	1	-	-	1	2	-
Other (Mental Health)		25	2	4	2	2	-	-	3	12
PUBLIC AFFAIRS AND SERVICES	Total	352	92	33	47	14	17	56	31	62
Public Administration		3	-	-	-	-	-	1	-	2
Social work and helping services (other than clinical social work)		141	27	6	11	8	4	29	25	31
Law enforcement & corrections (bacc. & higher programs)		203	63	27	34	6	13	26	6	26
International public service (other than diplomatic service)		5	-	-	2	-	-	-	-	3

Table 30.4

Employment Status by Degree Field for Baccalaureate
Degree Recipients for Private Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un employed-	Pursuing Advanced Degree	All Others
SOCIAL SCIENCES Total	2,310	263	126	277	159	55	231	580	619
Social sciences, general	108	17	4	12	11	1	21	23	19
Anthropology	22	1	-	3	1	-	-	9	8
Archaeology	3	1	-	1	-	-	-	1	-
Economics	336	70	45	18	13	5	14	99	92
History	520	41	12	78	41	10	53	130	155
Geography	5	-	-	-	1	-	-	1	3
Political science and government	585	20	19	71	46	7	54	201	167
Sociology	459	64	29	69	30	17	56	68	126
Criminology	137	42	16	16	7	12	12	8	24
International relations	21	-	-	2	6	-	-	8	5
Urban studies	17	1	1	2	-	-	3	8	2
Other (Social Work)	15	4	-	2	-	1	2	4	2
Other (Anthropology/Sociology)	18	2	-	2	1	-	3	5	5
Other (Gov't Foreign Affairs)	1	-	-	-	-	-	-	1	-
Other (Gov't Law)	31	-	-	1	2	-	3	14	11
Other (Unspecified)	12	-	-	-	-	2	10	-	-
THEOLOGY Total	241	45	40	24	10	4	12	70	36
Theological professions, gen.	176	31	32	19	10	3	8	42	31
Religious music	5	-	3	-	-	-	1	1	-
Religious education	60	14	5	5	-	1	3	27	5
INTERDISCIPLINARY STUDIES	177	30	8	11	12	5	21	45	45
General liberal arts & sci.	70	14	4	3	6	4	8	11	20
Biological & physical sci.	5	-	-	1	-	-	1	3	-
Humanities and social sci.	73	6	1	7	6	-	11	25	17
Other (Environ. Studies)	7	1	1	-	-	1	1	2	1
Other (Self-Designed)	22	9	2	-	-	-	-	4	7

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	42	5	4	2	1	-	1	6	23
Agronomy (field crops, and crop management		6	1	-	-	-	-	-	-	5
Animal science (husbandry)		7	-	1	1	-	-	-	1	3
Poultry science		1	-	-	-	-	-	-	-	1
Dairy science (husbandry)		2	-	-	-	-	-	-	1	1
Fish, game & wildlife mgmt.		6	1	1	-	-	-	-	2	2
Horticulture (fruit and vegetable production)		8	1	1	-	-		1	2	3
Agricultural economics		4	1	-	-	-	-	-	-	3
Food science & technology		3	1	-	-	-	-	-	-	2
Natural resources management		5	-	1	1	-	-	-	-	3
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	52	4	8	-	1	-	3	1	35
Architecture		14	2	2	-	-	-	1	-	9
City, community and regional planning		38	2	6	-	1	-	2	1	26
AREA STUDIES										
West European studies		6	1	-	1	-	1	-	-	3
BIOLOGICAL SCIENCES	Total	145	28	10	6	2	-	4	35	60
Biology, general		74	15	5	6	1	-	2	14	31
Plant pathology		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		9	-	-	-	-	-	-	6	3
Physiology, human & animal		9	1	-	-	-	-	-	5	3
Microbiology		16	6	4	-	-	-	-	3	3
Anatomy		4	3	-	-	-	-	-	1	-
Biochemistry		11	1	-	-	1	-	1	3	5
Biophysics		3	-	-	-	-	-	-	1	2
Biometrics & biostatistics		1	1	-	-	-	-	-	-	-
Ecology		5	1	-	-	-	-	1	-	3
Entomology		5	-	-	-	-	-	-		
Genetics		1	-	-	-	-	-	-	1	-
Toxicology		1	-	1	-	-	-	-	-	-
Other (Unspecified)		5	-	-	-	-	-	-	1	4
BUSINESS AND MANAGEMENT	Total	727	178	125	24	10	1	34	12	343
Business and commerce, general		21	5	-	3	-	-	4	1	8
Accounting		35	13	7	2	-	-	2	1	10
Business statistics		3	2	1	-	-	-	-	-	-
Banking and finance		51	14	15	5	-	-	6	-	11
Business management and administration		565	111	95	13	9	1	17	8	305
Operations research		1	-	-	-	-	-	-	1	-
Marketing and purchasing		28	16	2	-	-	-	4	-	6
Insurance		4	2	1	-	-	-	-	1	-
International business		2	1	-	-	1	-	-	-	-
Labor & industrial relations		9	7	-	1	-	-	1	-	-
Business economics		7	1	3	-	-	-	-	-	3
Other (Finance)		1	-	1	-	-	-	-	-	-
COMMUNICATIONS	Total	50	21	1	5	5	-	6	-	12
Communications, general		36	17	1	3	5	-	3	-	7
Journalism (printed media)		14	4	-	2	-	-	3	-	5
COMPUTER AND INFORMATION SCIENCES	Total	58	13	8	3	1	-	2	5	26
Computer and information sciences, genral		48	10	7	1	1	-	2	4	23
Information sciences and systems		8	3	-	2	-	-	-	1	2
Systems analysis		2	-	1	-	-	-	-	-	1

[1] The "all others" category represents those not responding to the survey. The "all others" category is the difference between the number of respondents and the number of graduates. Thus, the "total reported" column should equal the number of graduates in each degree field during the period of the study.

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION Total	1,549	1,549	248	132	37	59	120	103	1,561
Education, general	249	99	14	6	3	4	4	2	117
Elementary Education	752	358	40	11	8	17	22	5	291
Secondary education, general	97	34	5	2	-	1	1	4	50
English education	44	20	5	5	1	-	3	-	10
French	2	1	1	-	-	-	-	-	-
Spanish	1	-	1	-	-	-	-	-	-
Nursing education	1	1	-	-	-	-	-		-
Biology education	18	7	-	1	-	3	1	-	6
Chemistry education	8	7	-	-	-	-	-	1	-
Earth and space science education	1	-	1	-	-	-	-	-	-
Physics education	3	-	-	-	-	-	-	3	-
Social studies education	55	15	6	3	2	-	2	7	20
Home economics education	5	2	1	1	-	-	-	-	1
Junior High school education	15	-	-	-	-	-	-	-	15
Higher education, general	18	1	1	2	2	-	-	-	12
Adult and continuing education	4	2	1	-	-	-	-	-	1
Special education, general	89	68	3	4	-	4	1	-	9
Education of the mentally retarded	187	90	12	3	-	2	2	2	76
Education of the deaf	13	5	2	-	-	-	-	-	6
Speech correction	116	53	17	3	1	1	10	-	31
Education of the emotionally disturbed	83	57	7	2	-	-	3	-	14
Special learning disabilities	10	2	-	-	-	-	-	-	8
Education of the physically handicapped	3	3	-	-	-	-	-	-	-
Social foundations (history & philosophy of ed.	12	1	1	2	-	-	1	-	7
Educational psychology (include learning theory)	114	28	7	10	4	3	9	10	43
Pre-elementary education (kindergarten)	13	5	1	1	-	-	-	1	5
Student personnel (counseling and guidance)	613	204	37	16	8	6	25	21	296
Educational administration	103	39	2	11	1	-	-	8	42
Educational supervision	49	12	1	1	-	-	-	3	32
Curriculum and instruction	51	11	4	-	-	1	1	3	31
Reading education (methodology and theory)	444	195	30	11	1	2	10	7	188
Art education (methodology and theory)	94	14	2	7	2	5	3	2	59
Music education (methodology and theory)	26	10	3	3	1	1	2	1	5
Mathematics education (methodology and theory)	55	28	6	-	-	1	4	-	16
Science education (methodology and theory)	13	11	-	1	-	-	1	-	-
Physical education	74	21	10	1	1	-	3	1	37
Health education (include family life education)	5	4	-	-	-	1	-	-	-
Business, commerce and distributive education	85	36	7	7	1	1	2	4	37
Industrial arts, vocational & tech. education	89	44	8	4	-	1	-	5	27
Other (Social Studies)	5	3	-	-	-	-	2	-	-
Other (Early Childhood Ed.)	12	10	-	1	-	-	1	-	-
Other (School Psychology)	21	3	-	-	-	1	2	7	8
Other (Instructional Media)	14	8	1	2	-	3	-	-	-
Other (Urban Ed.)	5	4	-	-	-	-	1	-	-
Other (Health, Physical Ed.)	5	2	-	2	-	-	1	-	-
Other (Environ. Ed.)	3	2	1	-	-	-	-	-	-
Other (Learning Resources)	4	3	-	1	-	-	-	-	-
Other (Gen. Sci.)	3	2	1	-	-	-	-	-	-
Other (History)	3	3	-	-	-	-	-	-	-
Other (Political Sci.)	3	-	-	-	-	-	-	-	3
Other (Rehab.)	1	1	-	-	-	-	-	-	-
Other (Unspecified)	116	20	9	8	1	1	3	9	65

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1976

(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
ENGINEERING	Total	405	52	65	2	3	-	11	60	212
Engineering, general		2	-	-	-	-	-	1	-	1
Aerospace, aeronautical & astronautical engineering		6	1	1	-	-	-	1	-	3
Agricultural engineering		3	-	-	-	1	-	-	-	2
Bioengineering and biomedical engineering		6	-	-	-	-	-	-	3	3
Chemical engineering (include petroleum refining)		36	4	6	-	-	-	1	6	19
Petroleum engineering (exclude petroleum refining)		3	1	-	-	-	-	-	-	2
Civil, construction & transportation engineering)		76	11	14	-	-	-	3	6	42
Electrical, electronics & communications engineering		60	5	11	-	2	-	1	12	29
Mechanical engineering		37	3	4	-	-	-	2	13	15
Industrial & management eng.		41	7	5	1	-	-	-	2	26
Metallurgical engineering		21	5	3	-	-	-	-	5	8
Ceramic engineering		7	2	2	-	-	-	-	1	2
Mining & mineral eng.		6	-	-	-	-	-	-	-	6
Nuclear engineering		17	-	7	-	-	-	-	3	7
Engineering mechanics		4	-	1	-	-	-	-	1	2
Environmental & sanitary eng.		6	1	-	-	-	-	-	1	4
Engineering tech. (baccalaureate & higher programs)		3	1	-	-	-	-	-	-	2
Other (Mstr. of Eng.)		16	3	8	-	-	-	-	-	-
Other (Unspecified)		55	8	3	1	-	-	2	2	39
FINE AND APPLIED ARTS	Total	147	36	21	3	-	4	11	12	60
Art (painting, drawing, sculpture)		33	8	1	-	-	1	5	-	18
Art history and appreciation		8	-	-	1	-	-	1	2	4
Music (performing, composition, theory)		15	6	2	1	-	-	1	-	5
Music (liberal arts program)		39	15	1	-	-	1	1	3	18
Music history & appreciation (musicology)		3	2	-	1	-	-	-	-	-
Dramatic arts		43	5	15	-	-	-	2	6	15
Photography		3	-	1	-	-	1	1	-	-
Other (Print Making)		3	-	1	-	-	1	-	1	-
FOREIGN LANGUAGES	Total	65	8	2	2	1	2	6	4	40
French		16	2	-	1	-	1	3	1	8
German		15	2	-	-	1	-	-	1	11
Italian		1	1	-	-	-	-	-	-	-
Spanish		25	3	1	1	-	-	2	1	17
Slavic languages (other than Russian)		6	-	-	-	-	1	-	1	4
Other (Unspecified)		2	-	1	-	-	-	1	-	-
HEALTH PROFESSIONS	Total	322	57	36	3	1	11	14		196
Health professions, general		7	1	1	-	-	-	-	1	4
Hospital and health care administration		12	4	6	-	-	1	1	-	-
Nursing (baccalaureate and higher programs)		84	27	12	-	-	-	3	6	36
Dental specialties (work beyond first-professional degree, D.D.S. or D.M.D.)		18	1	1	-	-	-	-	1	15
Pharmacy		5	2	1	-	-	-	-	1	1
Public health		147	10	11	-	2	-	5	9	110
Speech pathology & audio		19	3	1	-	-	-	-	-	15
Other (Unspecified)		30	9	3	-	1	-	2	-	15
HOME ECONOMICS	Total	16	-	2	-	-	1	-	4	9
Family relations & child development		12	-	-	-	-	1	-	3	8
Foods and nutrition (include dietetics)		4	-	2	-	-	-	-	1	1

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LETTERS Total	194	41	6	12	-	4	10	28	93
English, general	116	34	3	1	-	2	6	12	58
Literature, English	9	2	1	-	-	-	1	1	4
Comparative literature	4	-	-	-	-	-	-	-	4
Classics	6	-	-	-	-	-	-	2	4
Linguistics (include phonetics, semantics & philology)	7	-	-	-	-	-	1	2	4
Speech, debate & forensic science (rhetoric & public address)	14	2	2	-	-	2	1	1	6
Creative writing	1	1	-	-	-	-	-	-	-
Philosophy	22	-	-	10	-	-	1	1	10
Religious studies (exclude theological professions)	12	3	-	1	-	-	-	9	-
Other (Unspecified)	3	-	-	-	-	-	-	-	3
LIBRARY SCIENCE Total	250	46	13	1	4	2	13	8	163
Library science, general	232	36	12	1	4	2	11	8	158
Other (Ed. Rel.)	18	10	1	-	-	-	2	-	5
MATHEMATICS Total	119	28	13	-	4	1	-	10	63
Mathematics, general	102	20	8	-	4	1	-	-	56
Statistics, mathematical and theoretical	17	7	5	-	-	-	-	3	7
PHYSICAL SCIENCES Total	184	20	24	1	1	-	6	25	87
Physical sciences, general	3	1	-	-	-	-	-	-	2
Physics, genral (exclude biophysics)	44	5	6	-	-	-	2	9	22
Chemistry, general (exclude biochemistry)	57	7	10	-	-	-	3	10	27
Astronomy	2	-	-	-	-	-	-	-	2
Atmospheric sciences & meteorology	12	-	4	-	1	-	-	-	7
Geology	14	1	1	-	-	-	1	2	9
Geochemistry	3	-	-	-	-	-	-	-	3
Geophysics and seismology	1	-	1	-	-	-	-	-	-
Earth sciences, general	22	6	2	1	-	-	-	4	9
Metallurgy	1	-	-	-	-	-	-	-	1
Other (Unspecified)	5	-	-	-	-	-	-	-	5
PSYCHOLOGY Total	121	35	15	3	1	2	10	24	31
Psychology, general	44	7	3	2	-	-	3	22	7
Clinical psychology	13	-	1	-	-	2	-	1	9
Psychology for counseling	14	6	1	-	-	-	2	-	5
Developmental psychology	15	8	1	-	-	-	1	-	5
Other (Creative Arts Therapy)	31	12	9	1	1	-	4	1	3
Other (Unspecified)	4	2	-	-	-	-	-	-	2
PUBLIC AFFAIRS AND SERVICES Total	571	112	107	17	9	4	35	14	273
Community services, general	2	-	-	1	-	-	-	-	1
Public administration	213	23	65	9	4	2	11	2	97
Parks and recreation mgt.	30	4	13	-	1	1	1	1	9
Social work and helping services (other than clinical social work)	260	79	23	7	2	1	23	6	119
International public service (other than diplomatic service)	21	1	3	-	-	-	-	1	16
Other (Unspecified)	45	5	3	-	2	-	-	4	31
SOCIAL SCIENCES Total	260	63	10	12	9	3	18	32	113
Social sciences, general	42	22	1	3	-	-	-	-	16
Anthropology	12	1	-	1	-	-	1	2	7
Economics	34	2	3	1	2	-	2	7	17
History	74	15	3	5	4	2	9	6	30
Geography	11	4	-	1	-	-	-	1	5
Political science and gov't	63	10	1	-	2	1	2	8	31
Sociology	14	5	-	-	-	-	2	1	6
Criminology	4	-	-	-	1	-	-	4	4
International relations	1	-	-	-	-	-	1	-	-
Urban studies	2	-	-	1	-	-	-	1	-
Other (Behavioral Sci.)	2	-	1	-	-	-	-	-	1
Other (Unspecified)	14	4	1	-	-	-	1	2	6
THEOLOGY									
Religious education	7	3	1	-	-	-	-	-	3
INTERDISCIPLINARY STUDIES Total	59	20	5	1	-	-	2	1	30
General liberal arts & sci.	3	1	-	1	-	-	1	-	-
Biological & physical sci.	4	3	1	-	-	-	-	-	-
Humanities and social sci.	2	-	-	-	-	-	-	-	2
Other (Unspecified)	50	16	4	-	-	-	1	1	28

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for State-Owned Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
BIOLOGICAL SCIENCES										
Biology, general		44	11	3	5	-	-	2	3	20
BUSINESS AND MANAGEMENT	Total	51	10	3	5	7	1	5	2	20
Business and commerce, general		21	5	-	3	-	-	4	1	8
Business management and administration		30	5	3	2	5	1	1	1	12
COMMUNICATIONS										
Communications, general		35	17	1	3	5	-	2	-	7
EDUCATION	Total	1,766	824	121	39	12	23	65	13	669
Elementary education, gen.		513	243	25	6	6	14	13	2	204
English education		28	12	2	2	-	-	3	-	9
Home economics education		5	2	1	1	-	-	-	-	1
Nursing education		1	1	-	-	-	-	-	-	-
Chemistry education		7	7	-	-	-	-	-	-	-
Physics education		3	-	-	-	-	-	-	-	3
Social studies education		32	10	3	2	1	-	2	1	13
Adult and continuing ed.		4	2	1	-	-	-	-	-	1
Biology education		18	7	-	1	-	3	1	-	6
Special education, gen.		12	5	-	-	-	-	-	-	7
Education of the mentally retarded		140	75	10	2	-	1	1	1	50
Education of the deaf		13	5	2	-	-	-	-	-	6
Speech correction		96	45	13	3	1	-	10	-	24
Education of the emotionally disturbed		83	57	7	2	-	-	3	-	14
Special learning disabilities		10	2	-	-	-	-	-	-	8
Education of the physically handicapped		3	3	-	-	-	-	-	-	-
Educational psychology (include learning theory)		34	5	3	2	2	1	3	1	17
Pre-elementary education (kindergarten)		3	3	-	-	-	-	-	-	-
Student personnel (counseling and guidance)		286	116	21	3	1	2	11	3	129
Educational administration		16	5	1	1	-	-	-	2	7
Reading education (methodology and theory)		243	122	14	5	-	-	6	2	94
Art education (methodology and theory)		36	5	1	3	1	1	1	1	23
Mathematics education (methodology and theory)		48	25	4	-	-	1	4	-	14
Science education (methodology and theory)		8	6	-	1	-	-	1	-	-
Physical education		43	13	8	-	-	-	2	-	20
Business, commerce and distributive education		36	20	2	2	-	-	2	-	10
Industrial arts, vocational & tech. education		19	16	3	-	-	-	-	-	-
Other (History)		3	3	-	-	-	-	-	-	-
Other (General Science)		3	2	1	-	-	-	-	-	-
Other (Political Science)		3	-	-	-	-	-	-	-	3
Other (Learning Resources)		4	3	-	1	-	-	-	-	-
Other (School Psychol.)		9	1	-	-	-	-	2	-	6
Other (Rehab.)		1	1	-	-	-	-	-	-	-
Other (Environ. Ed.)		3	2	1	-	-	-	-	-	-
FINE AND APPLIED ARTS	Total	38	17	-	-	-	-	1	2	18
Art (painting, drawing, sculpture)		14	6	-	-	-	-	-	-	8
Art history and appreciation		1	-	-	-	-	-	-	1	-
Music (liberal arts program)		23	11	-	-	-	-	1	1	10
FOREIGN LANGUAGES	Total	25	3	-	2	-	-	4	-	17
French		8	-	-	1	-	-	2	-	5
German		5	1	-	-	-	-	-	-	4
Spanish		12	2	-	-	-	-	2	-	8
HEALTH PROFESSIONS										
Speech pathology & audi.		4	2	1	-	-	-	-	-	1

Table 31.1

Employment Status by Degree Field for Master's Degree Recipients for State-Owned Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LETTERS	Total	76	26	-	-	-	3	3	4	39
English, general		75	26	1	-	-	2	3	4	39
Speech, debate & forensic science (rhetoric & public address)		1	-	-	-	-	1	-	-	-
LIBRARY SCIENCE	Total	52	21	1	1	-	2	6	-	21
Library science, general		34	11	-	1	-	2	4	-	16
Other (Ed. Relations)		18	10	1	-	-	-	2	-	5
MATHEMATICS										
Mathematics, general		43	18	2	-	-	1	-	1	21
PHYSICAL SCIENCES	Total	34	12	7	1	-	-	1	7	4
Physics, general (exclude biophysics)		8	2	3	-	-	-	-	3	-
Chemistry, general (exclude biochemistry)		11	5	2	-	-	-	1	3	-
Earth sciences, general		15	5	2	1	-	-	-	1	6
PSYCHOLOGY	Total	23	13	2	-	-	-	1	-	7
Psychology, general		5	3	-	-	-	-	-	-	2
Psychology for counseling		3	2	1	-	-	-	-	-	-
Developmental psychology		15	8	1	-	-	-	1	-	5
PUBLIC AFFAIRS AND SERVICES	Total	121	18	50	7	2	-	12	1	31
Public administration		90	7	45	5	1	-	5	-	26
Social work and helping services (other than clinical social work)		31	11	5	2	-	-	7	1	5
SOCIAL SCIENCES	Total	87	28	[illegible]	3	2	1	[illegible]	6	39
Social sciences, general		19	6	-	1	-	-	-	-	12
History		43	10	1	2	1	1	5	3	20
Geography		5	4	-	-	-	-	-	-	1
Political science and government		20	8	-	-	1	-	2	3	6
INTERDISCIPLINARY STUDIES										
Biological & physical sci.		4	3	1	-	-	-	-	-	-

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
BIOLOGICAL SCIENCES	Total	22	9	4	-	-	-	-	8	1
Physiology, Human, Animal		1	-	-	-	-	-	-	1	-
Microbiology		14	6	4	-	-	-	-	3	1
Anatomy		4	3	-	-	-	-	-	1	-
Biochemistry		3	-	-	-	-	-	-	3	-
PSYCHOLOGY	Total	43	12	10	1	1	2	4	1	12
Clinical Psychology		12	-	1	-	-	2	-	-	9
Other (Creative Arts Therapy)		31	12	9	1	1	-	4	1	3

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
AGRICULTURE AND NATURAL RESOURCES	Total	42	5	4	2	1	-	1	6	23
Agronomy (field crops, and crop management)		6	1	-	-	-	-	-	-	5
Animal science (husbandry)		7	-	1	1	1	-	-	1	3
Dairy science (husbandry)		2	-	-	-	-	-	-	1	1
Poultry science		1	-	-	-	-	-	-	-	1
Fish, game and wildlife management		6	1	1	-	-	-	-	2	2
Horticulture (fruit and vegetable production)		8	1	1	-	-	-	1	2	3
Agricultural economics		4	1	-	-	-	-	-	-	3
Food science & technology		3	1	-	-	-	-	-	-	2
Natural resources management		5	-	1	1	-	-	-	-	3
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	44	3	7	-	1	-	3	1	29
Architecture		6	1	1	-	-	-	1	-	3
City, community and regional planning		38	2	6	-	1	-	2	1	26
AREA STUDIES										
West European studies		6	1	-	1	-	1	-	-	3
BIOLOGICAL SCIENCES	Total	61	5	1	-	2	-	1	23	29
Biology, general		18	2	-	-	1	-	-	10	5
Plant pathology		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		9	-	-	-	-	-	-	6	3
Physiology, human & animal		8	1	-	-	-	-	-	4	3
Microbiology		2	-	-	-	-	-	-	-	2
Biochemistry		2	-	-	-	1	-	-	-	1
Biophysics		3	-	-	-	-	-	-	1	2
Biometrics & biostatistics		1	1	-	-	-	-	-	-	-
Ecology		5	1	-	-	-	-	1	-	3
Entomology		5	-	-	-	-	-	-	-	5
Toxicology		1	-	1	-	-	-	-	-	-
Genetics		1	-	-	-	-	-	-	1	-
Other (Unspecified)		5	-	-	-	-	-	-	1	4
BUSINESS AND MANAGEMENT	Total	411	95	35	9	4	-	16	5	247
Accounting		11	7	1	2	-	-	1	-	-
Business statistics		3	2	1	-	-	-	-	-	-
Banking and finance		16	8	1	5	-	-	2	-	-
Business management and administration		354	59	30	1	3	-	11	3	247
Marketing and purchasing		10	9	-	-	-	-	1	-	-
Insurance		4	2	1	-	-	-	-	1	-
International business		2	1	-	-	1	-	-	-	-
Labor & industrial relations		9	7	-	1	-	-	1	-	-
Business economics		1	-	1	-	-	-	-	-	-
COMMUNICATIONS	Total	15	4	-	2	-	-	4	-	5
Communications, general		1	-	-	-	-	-	1	-	-
Journalism (printed media)		14	4	-	2	-	-	3	-	5
COMPUTER AND INFORMATION SCIENCES	Total	51	13	4	3	1	-	2	5	23
Computer and information sciences, general		43	10	4	1	1	-	2	4	21
Information sciences and systems		8	3	-	2	-	-	-	1	2

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
EDUCATION Total	1,472	543	84	72	12	31	44	73	613
Education, general	60	50	–	4	1	1	2	–	2
Elementary education, gen.	239	115	17	3	2	3	9	3	87
Secondary education, gen.	97	34	5	2	–	1	1	4	50
Junior high school education	15	–	–	–	–	–	–	–	15
Higher education, general	18	1	1	2	2	–	–	–	12
Special education, gen.	72	59	3	4	–	4	1	–	1
Education of the mentally retarded	17	5	1	–	–	–	–	–	11
Speech correction	20	8	4	–	–	1	–	–	7
Social foundations (history & philosophy of ed.)	12	1	1	2	–	–	1	–	7
Educational psychology (include learning theory)	46	18	1	6	–	1	3	8	9
Pre-elementary education (kindergarten)	10	2	1	1	–	–	–	1	5
Student personnel (counseling and guidance)	221	39	13	6	2	4	12	17	128
Educational administration	42	15	–	9	1	–	–	3	14
Educational supervision	49	12	1	1	–	–	–	3	32
Curriculum and instruction	51	11	4	–	–	1	1	3	31
Reading education (methodology and theory)	129	53	9	5	–	2	3	4	53
Art education (methodology and theory)	26	2	–	2	–	4	1	–	17
Music education (methodology and theory)	17	6	1	2	1	1	1	1	4
Mathematics education (methodology and theory)	3	3	–	–	–	–	–	–	–
Science education (methodology and theory)	4	4	–	–	–	–	–	–	–
Physical education	31	8	2	1	1	–	1	1	17
Health education (include family life education)	5	4	–	–	–	1	–	–	–
Business, commerce and distributive education	49	16	5	5	1	1	–	4	17
Industrial arts, vocational & tech. education	70	28	5	4	–	1	–	5	27
Other (Social Studies)	5	3	–	–	–	–	2	–	–
Other (Early Childhood)	12	10	–	1	–	–	1	–	–
Other (School Psychology)	12	2	–	–	–	1	–	7	2
Other (Instructional Media)	14	8	1	2	–	3	–	–	–
Other (Urban Ed.)	5	4	–	–	–	–	1	–	–
Other (Health, Physical Ed.)	5	2	–	2	–	–	1	–	–
Other (Unspecified)	116	20	9	8	1	1	3	9	65
ENGINEERING Total	278	33	31	2	1	–	6	11	194
Engineering, general	2	–	–	–	–	–	1	–	1
Aerospace, aeronautical & astronautical engineering	6	1	1	–	–	–	1	–	3
Agricultural engineering	3	–	–	–	1	–	–	–	2
Bioengineering and biomedical engineering	2	–	–	–	–	–	–	1	1
Chemical engineering (include petroleum refining)	23	3	2	–	–	–	1	1	16
Petroleum engineering (exclude petroleum refining)	3	1	–	–	–	–	–	–	2
Civil, construction & transportation engineering	52	7	5	–	–	–	1	1	38
Electrical, electronics & communications engineering	31	1	7	–	–	–	–	–	23
Mechanical engineering	22	2	4	–	–	–	–	1	15
Industrial & management eng.	34	6	1	1	–	–	–	2	24
Metallurgical engineering	7	–	–	–	–	–	–	–	7
Ceramic engineering	7	2	2	–	–	–	–	1	2
Mining & mineral eng.	6	–	–	–	–	–	–	–	6
Nuclear engineering	12	–	5	–	–	–	–	1	7
Engineering mechanics	4	–	1	–	–	–	–	–	2
Environmental & sanitary eng.	6	1	–	–	–	–	–	1	4
Engineering tech. (baccalaureate & higher programs)	3	1	–	–	–	–	–	–	2
Other (Unspecified)	55	8	3	1	–	–	2	2	39

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
FINE AND APPLIED ARTS	Total	74	12	9	3	-	4	9	9	28
Art (painting, drawing, sculpture)		19	2	1	-	-	1	5	-	10
Art history and appreciation		6	-	-	1	-	-	-	1	4
Music (performing, composition, theory)		7	3	1	1	-	-	1	-	1
Music (liberal arts program)		16	-	1	-	-	1	-	2	8
Music history & appreciation (musicology)		3	2	-	1	-	-	-	-	-
Dramatic arts		17	1	4	-	-	-	2	5	5
Photography		3	-	1	-	-	1	1	-	-
Other (Print Making)		3	-	1	-	-	1	-	1	-
FOREIGN LANGUAGES	Total	40	5	2	1	1	2	2	4	23
French		8	2	-	-	-	1	1	1	3
German		10	1	-	-	1	-	-	1	7
Italian		1	1	-	-	-	-	-	-	-
Spanish		13	1	1	1	-	-	-	1	9
Slavic languages (other than Russian)		6	-	-	-	-	1	-	1	4
Other (Unspecified)		2	-	1	-	-	-	1	-	-
HEALTH PROFESSIONS	Total	318	55	35	-	3	1	11	18	195
Health professions, general		7	1	1	-	-	-	-	1	4
Hospital and health care administration		12	4	6	-	-	1	1	-	-
Nursing (baccalaureate and higher programs)		84	27	12	-	-	-	3	6	36
Dental specialties (work beyond first-professional degree, D.D.S. or D.M.D.)		18	1	1	-	-	-	-	1	15
Pharmacy		5	2	1	-	-	-	-	1	1
Public health		147	10	11	-	2	-	5	9	110
Speech pathology & audio.		15	1	-	-	-	-	-	-	14
Other (Unspecified)		30	9	3	-	1	-	2	-	15
HOME ECONOMICS	Total	16	-	2	-	-	1	-	4	9
Family relations & child development		12	-	-	-	-	1	-	3	8
Foods and nutrition (include dietetics)		4	-	2	-	-	-	-	1	1
LETTERS	Total	102	10	4	12	-	1	6	24	45
English, general		26	4	1	1	-	-	2	8	10
Literature, English		9	2	1	-	-	-	1	1	4
Comparative literature		4	-	-	-	-	-	-	-	4
Classics		6	-	-	-	-	-	-	2	4
Linguistics (include phonetics, semantics & philogy)		7	-	-	-	-	-	1	2	4
Speech, debate & forensic science (rhetoric & public address)		13	2	2	-	-	1	1	1	6
Philosophy		22	-	-	10	-	-	1	1	10
Religious studies (exclude theological professions)		12	2	-	1	-	-	-	9	-
Other (Unspecified)		3	-	-	-	-	-	-	-	3
LIBRARY SCIENCE										
Library science, general		198	25	12	-	4	-	7	8	142
MATHEMATICS	Total	52	6	3	-	4	-	-	5	34
Mathematics, general		47	6	3	-	4	-	-	5	29
Statistics, mathematical and theoretical		5	-	-	-	-	-	-	-	5
PHYSICAL SCIENCES	Total	105	4	11	-	1	-	5	13	71
Physics, general (exclude biophysics)		24	1	-	-	-	-	2	3	18
Chemistry, general (exclude biochemistry)		39	1	6	-	-	-	2	5	25
Astronomy		2	-	-	-	-	-	-	-	2
Atmospheric sciences & meterorology		12	-	4	-	1	-	-	-	7
Geology		11	1	-	-	-	-	1	2	7
Biochemistry		3	-	-	-	-	-	-	-	3
Geophysics and seismology		1	-	1	-	-	-	-	-	-
Earth sciences, general		7	1	-	-	-	-	-	3	3
Metallurgy		1	-	-	-	-	-	-	-	1
Other (Unspecified)		5	-	-	-	-	-	-	-	5

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
PSYCHOLOGY	Total	41	10	2	2	-	-	5	11	11
Psychology, general		25	4	2	2	-	-	3	10	4
Clinical psychology		1	-	-	-	-	-	-	1	-
Psychology for counseling		11	4	-	-	-	-	2	-	5
Other (Unspecified)		4	2	-	-	-	-	-	-	2
PUBLIC AFFAIRS AND SERVICES	Total	400	75	46	10	7	4	20	10	228
Community services, general		2	-	-	1	-	-	-	-	1
Public administration		112	11	13	4	3	2	6	2	71
Parks and recreation management		29	4	13	-	-	1	1	1	9
Social work and helping services (other than clinical social work)		191	54	14	5	2	1	13	2	100
International public service (other than diplomatic service)		21	1	3	-	-	-	-	1	16
Other (Unspecified)		45	5	3	-	2	-	-	4	31
SOCIAL SCIENCES	Total	135	17	7	7	5	2	9	26	62
Anthropology		12	1	-	1	-	-	1	2	7
Economics		32	2	3	1	2	-	2	7	15
History		23	3	2	3	1	1	3	3	7
Geography		6	-	-	1	-	-	-	1	4
Political science and government		23	2	1	-	1	1	-	5	13
Sociology		14	5	-	-	-	-	2	1	6
Criminology		4	-	-	-	1	-	-	4	4
Urban studies		2	-	-	1	-	-	-	1	-
Other (Unspecified)		14	4	1	-	-	-	1	2	6
INTERDISCIPLINARY STUDIES	Total	53	17	4	1	-	-	2	1	28
General liberal arts & sci.		3	1	-	1	-	-	1	-	-
Other (Unspecified)		50	16	4	-	-	-	1	1	28

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for Private Institutions in Pennsylvania, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
ARCHITECTURE AND ENVIRONMENTAL DESIGN										
Architecture		8	1	1	-	-	-	-	-	6
BIOLOGICAL SCIENCES	Total	18	3	2	1	-	-	1	1	10
Biology, general		12	2	2	1	-	-	-	1	6
Biochemistry		6	1	-	-	-	-	1	-	4
BUSINESS AND MANAGEMENT	Total	265	73	87	10	1	-	13	5	76
Accounting		24	6	6	-	-	-	1	1	10
Banking and finance		35	6	14	-	-	-	4	-	11
Business management and administration		181	53	62	10	1	-	5	4	46
Marketing and purchasing		18	7	2	-	-	-	3	-	6
Business economics		6	1	2	-	-	-	-	-	3
Other (Finance)		1	-	1	-	-	-	-	-	-
COMPUTER AND INFORMATION SCIENCES	Total	7	-	4	-	-	-	-	-	3
Computer and information sciences, general		5	-	3	-	-	-	-	-	2
Systems analysis		2	-	1	-	-	-	-	-	1
EDUCATION	Total	571	182	43	21	13	5	11	17	279
Education, general		189	49	14	2	2	3	2	2	115
English education		16	8	3	3	1	-	-	-	1
French		2	1	1	-	-	-	-	-	-
Spanish		1	-	1	-	-	-	-	-	-
Chemistry education		1	-	-	-	-	-	-	1	-
Earth and space science education		1	-	1	-	-	-	-	-	-
Social studies education		23	5	3	1	1	-	-	6	7
Special education, gen.		5	4	-	-	-	-	-	-	1
Education of the mentally retarded		30	10	1	1	-	1	1	1	15
Educational psychology (include learning theory)		34	5	3	2	2	1	3	1	17
Student personnel (counseling and guidance)		106	49	3	7	5	-	2	1	39
Educational administration		45	19	1	1	-	-	-	3	21
Reading education (methodology and theory)		72	20	7	1	1	-	1	1	41
Art education (method. & theory)		32	7	1	2	1	-	1	1	19
Music education (method. & theory)		9	4	2	1	-	-	1	-	1
Mathematics education (methodology and theory)		4	-	2	-	-	-	-	-	2
Science education (methodology and theory)		1	1	-	-	-	-	-	-	-
ENGINEERING	Total	127	19	34	-	2	-	5	49	18
Bioengineering and biomedical engineering		4	-	-	-	-	-	-	2	2
Chemical engineering (include petroleum refining)		13	1	4	-	-	-	-	5	3
Civil, construction & transportation engineering		24	4	9	-	-	-	2	5	4
Electrical, electronics & communications engineering		29	4	4	-	2	-	1	12	6
Mechanical engineering		15	1	-	-	-	-	2	12	-
Industrial & management eng.		7	1	4	-	-	-	-	-	2
Metallurgical engineering		14	5	3	-	-	-	-	5	1
Nuclear engineering		5	-	2	-	-	-	-	3	-
Other (Mstr. of Eng.)		16	3	8	-	-	-	-	5	-
FINE AND APPLIED ARTS	Total	35	7	12	-	-	-	1	1	14
Music (performing, composition, theory)		8	3	1	-	-	-	-	-	4
Dramatic arts		27	4	11	-	-	-	1	1	10

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for Private Institutions in Pennsylvania, 1976 (continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
LETTERS	Total	16	5	1	-	-	-	1	-	9
English, general		15	4	1	-	-	-	1	-	9
Creative writing		1	1	-	-	-	-	-	-	-
MATHEMATICS	Total	24	4	8	-	-	-	-	4	8
Mathematics, general		12	2	3	-	-	-	-	1	6
Statistics, mathematical and theoretical		12	2	5	-	-	-	-	3	2
PHYSICAL SCIENCES	Total	25	4	6	-	-	-	-	5	10
Physical sciences, general		3	1	-	-	-	-	-	-	2
Physics, general (exclude biophysics)		12	2	3	-	-	-	-	3	4
Chemistry, general (exclude biochemistry)		7	1	2	-	-	-	-	2	2
Geology		3	-	1	-	-	-	-	-	2
PSYCHOLOGY										
Psychology, general		14	-	1	-	-	-	-	12	1
PUBLIC AFFAIRS AND SERVICES	Total	50	19	11	-	-	-	3	3	14
Public administration		12	5	7	-	-	-	-	-	-
Social work and helping services (other than clinical social work)		38	14	4	-	-	-	3	3	14
SOCIAL SCIENCES	Total	38	18	2	2	2	-	2	-	12
Social sciences, general		23	16	1	2	-	-	-	-	4
Economics		2	-	-	-	-	-	-	-	2
History		8	2	-	-	2	-	1	-	3
Political science and government		2	-	-	-	-	-	-	-	2
International relations		1	-	-	-	-	-	1	-	-
Other (Behav. Sci.)		2	-	1	-	-	-	-	-	1
THEOLOGY										
Religious education		7	3	1	-	-	-	-	-	3
INTERDISCIPLINARY STUDIES										
Biological & physical sci.		2	-	-	-	-	-	-	-	2

Table 32.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others[1]
DATA PROCESSING TECHNOLOGIES	Total	466	198	23	39	2	6	64	49	85
Data processing, technologies, general		311	159	4	27	2	4	39	31	45
Key punch operator and other inpu preparation technologies		17	3	-	1	-	-	2	9	2
Computer programmer technologies		123	33	19	8	-	2	20	9	32
Computer operator and peripheral equipment operation technologies		15	3	-	3	-	-	3	-	6
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	1,721	1,065	60	42	1	39	62	142	310
Health services assistant technologies, general		16	3	-	1	-	1	2	8	1
Dental assistant tech.		110	39	-	9	-	-	5	57	-
Dental hygiene tech.		203	61	-	1	-	24	-	16	-
Medical or biological laboratory assistant technologies		98	61	3	6	-	1	8	12	7
Radiologic technologies (X-ray, etc.)		40	21	-	-	-	-	1	-	17
Nursing, R.N. (less than 4-year program)		758	467	29	7	-	9	23	22	201
Nursing, practical (L.P.N. or L.V.N. -less than 4-yr. program)		213	166	2	1	-	-	3	9	32
Occupational therapy tech.		22	13	-	3	-	-	3	1	2
Surgical technologies		12	7	1	-	-	-	-	2	2
Optical tech. (include ocular care, ophthalmic, optometric technologies)		8	6	-	-	-	1	-	-	1
Medical record technologies		32	16	-	-	-	-	6	2	8
Medical assistant & medical office assistant tech..		100	68	4	8	1	1	-	5	7
Inhalation therapy tech.		63	26	11	-	-	-	2	1	23
Psychiatric tech. (include mental health aide programs)		13	3	-	3	-	1	1	-	5
Physical therapy tech.		30	26	-	-	-	-	1	1	2
Other (Med. Lab. Tech.)		20	18	-	-	-	-	-	-	2
Other (Dietary)		11	1	-	-	-	-	-	-	-
Other (Med.Sec.Sci.)		31	24	1	3	-	-	1	2	-
Other (Resp. Therapy)		7	5	2	-	-	-	-	-	-
Other (Phys. Asst.)		35	24	7	-	-	-	-	4	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	2,326	900	278	197	17	33	234	345	322
Mechanical & engineering technologies, general		356	99	22	19	3	5	30	117	61
Aeronautical and aviation technologies		129	3	94	12	-	-	4	11	5
Engineering graphics (tool & machine drafting & design)		109	60	4	11	-	2	14	6	12
Architectural drafting technologies		203	75	3	27	-	3	30	37	28
Chemical technologies (include plastics)		30	15	3	2	-	-	2	6	2
Automotive technologies		138	85	5	5	-	1	6	2	34
Diesel technologies		16	11	-	-	-	-	3	-	2
Welding technologies		18	10	-	2	-	-	1	-	5
Civil technologies (surveying photogrammetry,etc.)		134	46	8	8	-	2	7	39	24
Electronics & machine tech. (television applicance, office machine repair, etc.)		427	191	84	43	-	6	41	28	34
Electromechanical tech.		27	6	2	2	-	-	2	9	6
Industrial technologies		40	23	4	2	2	-	3	2	4
Textile technologies		8	4	-	-	1	-	2	-	1
Mechanical technologies		42	30	5	2	-	-	1	2	2
Nuclear technologies		53	15	8	9	-	1	9	3	8
Construction and building technologies (carpentry, electrical work, plumbing, sheetmetal, air conditioning, heating, etc.)		233	116	4	26	7	8	37	8	27
Other (Math.)		5	-	-	1	-	-	-	4	-
Other (Gen. Studies)		2	2	-	-	-	-	-	-	-
Other (Weld. Spec.)		6	5	-	-	-	-	-	-	1
Other (Auto Body Mech.)		1	1	-	-	-	-	-	-	-
Other (Auto Diesel)		5	4	-	-	-	-	1	-	-
Other (Ind. Sup. Basic)		15	15	-	-	-	-	-	-	-
Other (Ind. Sup. Adv.)		17	17	-	-	-	-	-	-	-
Other (Ind. Sup. Elecl.)		13	11	-	-	-	-	2	-	-
Other (Elec. & Power Tech.)		7	1	6	-	-	-	-	-	-
Other (Mech. & Tech.)		5	3	-	1	-	-	-	-	1
Other (Const. Tech.)		10	7	2	1	-	-	-	-	-
Other (Interior Planning)		4	2	-	1	-	-	1	-	-
Other (Metallurgical Tech.)		1	-	-	-	-	-	1	-	-
Other (Env.Pollution Control)		1	-	1	-	-	-	-	-	-
Other (Unspecified)		271	43	23	23	4	5	37	71	65

[1] The "all others" category represents those not responding to the survey. The "all others" category is the difference between the number of respondents and the number of graduates. Thus, the "total reported" column should equal the number of graduates in each degree field during the period of the study.

Table 32.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES Total	235	67	3	40	7	6	18	27	67
Natural science technologies, general	33	9	-	4	1	-	1	5	13
Agriculture technologies (include horticulture)	37	14	1	4	1	4	2	3	8
Forestry and wildlife technologies (include fisheries)	120	21	2	26	5	2	12	12	40
Food service technologies	19	14	-	2	-	-	-	2	1
Sanitation and public health inspection technologies (environmental health technologies)	3	2	-	-	-	-	1	-	-
Other (Floriculture)	7	3	-	-	-	-	-	2	2
Other (Environ. Studies Tech.)	6	2	-	2	-	-	1	1	-
Other (Conserv. & Environ. Tech.)	10	2	-	2	-	-	1	2	3
BUSINESS AND COMMERCE TECHNOLOGIES Total	2,634	1,339	62	162	14	50	212	365	430
Business and commerce technologies, general	609	241	17	42	2	15	59	126	107
Accounting technologies	442	221	15	24	-	6	40	75	61
Banking and finance technologies	80	20	-	6	-	-	9	9	36
Marketing, distribution, purchasing, business & industrial management tech.	207	103	5	24	2	8	12	19	34
Secretarial tech. (include office machines training)	833	606	15	15	2	13	44	25	113
Personal service tech. (stewardess, cosmetologist, etc.)	7	5	-	-	-	-	1	1	-
Photography technologies	2	-	-	-	-	-	-	-	2
Communications & broadcasting tech. (radio/television, newspaper)	112	10	-	15	7	4	12	31	33
Printing & lithography technologies	21	12	2	4	-	-	-	3	-
Hotel & restaurant management technologies	118	44	5	8	1	2	18	20	20
Transportation & public utility technologies	25	21	-	2	-	-	-	-	2
Applied arts, graphic arts, & fine arts technologies (include adv. design)	66	13	2	14	-	-	11	26	-
Other (General Ed.)	39	14	-	-	-	-	-	20	5
Other (Humanities, Lib.Arts, General Studies	7	-	-	5	-	-	1	1	-
Other (Commercial Art)	4	1	-	-	-	-	-	3	-
Other (Clerk Typist)	7	4	-	1	-	-	-	1	1
Other (Drink Mixer)	1	1	-	-	-	-	-	-	-
Other (Real Estate)	12	2	-	-	-	-	-	1	9
Other (Unspecified)	42	21	1	2	-	2	5	4	7
PUBLIC SERVICE RELATED TECHNOLOGIES Total	1,164	309	22	73	2	13	81	183	481
Public service technologies, general	73	1	2	-	-	-	3	11	50
Education technologies (teacher aide and 2-year teacher training programs)	231	59	12	22	-	8	16	40	74
Library assistant technologies	41	12	-	1	-	-	7	5	16
Police, law enforcement, corrections technologies	502	163	8	29	-	5	17	75	205
Recreation and social work related technologies	140	19	-	4	2	-	31	35	49
Fire control technology	79	29	-	5	-	-	3	4	38
Public administration & management technologies	6	1	-	-	-	-	-	-	5
Other (Social Sciences)	22	-	-	5	-	-	2	5	10
Other (Child Care)	43	18	-	-	-	-	-	-	25
Other (Labor Studies	1	-	-	1	-	-	-	-	-
Other (Unspecified)	26	7	-	-	-	-	2	8	9
ARTS AND SCIENCE TRANSFERS									
Arts and science transfers who enter four-year programs	2,686	198	5	120	1	29	61	1,422	850

Table 32.1

Employment Status by Degree Field for Associate Degree Recipients for Community Colleges, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
DATA PROCESSING TECHNOLOGIES	Total	224	92	4	21	2	4	26	23	52
Data processing, technologies, general		170	72	2	15	2	4	20	20	35
Key punch operator and other input preparation technologies		9	3	-	1	-	-	2	2	1
Computer programmer technologies		30	14	2	2	-	-	1	1	10
Computer operator and peripheral equipment operation technologies		15	3	-	3	-	-	3	-	6
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	1,342	838	31	39	1	26	59	58	290
Health services assistant technologies, general		16	3	-	1	-	1	2	8	1
Dental assistant tech.		52	37	-	9	-	-	5	1	-
Dental hygiene tech.		47	31	-	1	-	12	-	3	-
Medical or biological laboratory assistant technologies		76	48	2	6	-	1	8	7	4
Radiologic technologies (X-ray, etc.)		9	4	-	-	-	-	-	-	5
Nursing, R.N. (less than 4-year program)		662	378	25	7	-	9	23	19	201
Nursing, practical (L.P.N. or L.V.N.--less than 4-yr. program)		213	166	2	1	-	-	3	9	32
Occupational therapy tech.		22	13	-	3	-	-	3	1	2
Surgical technologies		12	7	1	-	-	-	-	2	2
Optical tech. (include ocular care, opthalmic, optometric technologies)		8	6	-	-	-	1	-	-	1
Medical record technologies		31	16	-	-	-	-	6	2	7
Medical assistant & medical office assistant tech.		84	58	1	8	1	1	5	4	6
Inhalation therapy tech.		36	13	-	-	-	-	2	1	20
Psychiatric tech. (include mental health aide programs)		13	3	-	3	-	1	1	-	5
Physical therapy tech.		30	26	-	-	-	-	1	1	2
Other (Medical Lab. Tech.)		20	18	-	-	-	-	-	-	2
Other (Dietary)		11	11	-	-	-	-	-	-	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	656	299	20	65	1	8	46	105	112
Mechanical & engineering technologies, general		53	22	-	3	-	-	2	8	18
Aeronautical and aviation technologies		4	1	-	-	-	-	-	2	1
Engineering graphics (tool & machine drafting & design)		60	29	4	5	-	2	3	5	12
Architectural drafting technologies		100	30	-	14	-	2	10	27	17
Chemical technologies (include plastics)		14	8	1	-	-	-	1	4	-
Automotive technologies		20	17	-	2	-	-	-	-	1
Diesel technologies		16	11	-	-	-	-	3	-	2
Welding technologies		12	7	-	-	-	-	1	-	4
Civil technologies (surveying photogrammetry, etc.)		59	27	1	3	-	1	3	16	8
Electronics & machine tech. (television appliance, office machine repair, etc.)		153	54	8	25	-	1	13	24	28
Electromechanical tech.		27	6	2	2	-	-	2	9	6
Industrial technologies		1	1	-	-	-	-	-	-	-
Mechanical technologies		19	13	3	-	-	-	1	1	1
Nuclear technologies		7	5	-	1	-	-	-	-	1
Construction and building technologies (carpentry, electrical work, plumbing, sheetmetal, air conditioning, heating, etc.)		47	13	1	9	1	2	4	5	12
Other (Mathematics)		5	-	-	1	-	-	-	4	-
Other (General Studies)		2	2	-	-	-	-	-	-	-
Other (Welding Spec.)		6	5	-	-	-	-	-	-	1
Other (Auto Body Mechanics)		1	1	-	-	-	-	-	-	-
Other (Auto Diesel Mechanics)		5	4	-	-	-	-	1	-	-
Other (Ind.Sup. Basic)		15	15	-	-	-	-	-	-	-
Other (Ind.Sup. Advanced)		17	17	-	-	-	-	-	-	-
Other (Ind.Sup. Elect.)		13	11	-	-	-	-	2	-	-

Table 32.1

Employment Status by Degree Field for Associate Degree Recipients for Community Colleges, 1976
(continued)

HEGIS Degree Field	Total Reported	Employed in Field Prepared For: In Pa.	Employed in Field Prepared For: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES Total	110	46	-	14	1	-	3	19	27
Natural science technologies, general	33	9	-	4	1	-	1	5	13
Agriculture technologies (include horticulture)	1	-	-	-	-	-	-	1	-
Forestry, wildlife, fisheries tech.	34	16	-	4	-	-	-	6	8
Food service technologies	19	14	-	2	-	-	-	2	1
Other (Floriculture)	7	3	-	-	-	-	-	2	2
Other (Environ. Studies Tech.)	6	2	-	2	-	-	1	1	-
Other (Conservation & Environ. Tech.)	10	2	-	2	-	-	1	2	3
BUSINESS AND COMMERCE TECHNOLOGIES Total	1,542	718	19	116	9	40	116	221	303
Business and commerce technologies, general	215	76	4	13	-	11	15	44	52
Accounting technologies	228	93	-	19	-	5	24	36	51
Banking and finance technologies	80	20	-	6	-	-	9	9	36
Marketing, distribution, purchasing, business & industrial management tech.	183	96	4	21	-	7	10	17	28
Secretarial tech. (include office machines training)	464	313	2	11	1	12	22	17	86
Personal service tech. (stewardess, cosmetologist, etc.)	7	5	-	-	-	-	1	1	-
Photography technologies	2	-	-	-	-	-	-	-	2
Communications & broadcasting tech. (radio/television, newspaper)	81	8	-	12	7	3	7	23	21
Printing & lithography technologies	21	12	2	4	-	-	-	3	-
Hotel & restaurant management technologies	102	39	5	8	1	2	16	19	12
Tranportation & public utility technologies	25	21	-	2	-	-	-	-	2
Applied arts, graphic arts, & fine arts technologies (include adv. design)	66	13	2	14	-	-	11	26	-
Other (General Ed.)	39	14	-	-	-	-	-	20	5
Other (Humanities, Liberal Arts or General Studies)	7	-	-	5	-	-	1	1	-
Other (Commercial Art)	4	1	-	-	-	-	-	3	-
Other (Clerk Typist)	7	4	-	1	-	-	-	1	1
Other (Sand Mixer)	1	1	-	-	-	-	-	-	-
Other (Real Estate)	10	-	-	-	-	-	-	1	7
PUBLIC SERVICE RELATED TECHNOLOGIES Total	990	281	20	66	-	12	68	156	387
Public service technologies, general	22	1	2	5	-	-	3	11	-
Education technologies (teacher aide and 2-year teacher training programs)	231	59	12	22	-	8	16	40	74
Library assistant technologies	41	12	-	1	-	-	7	5	16
Police, law enforcement, corrections technologies	442	145	6	25	-	4	15	59	188
Recreation and social work relsted technologies	103	16	-	2	-	-	22	32	31
Fire control technology	79	29	5	5	-	-	3	4	38
Public administration & management technologies	6	1	-	-	-	-	-	-	5
Other (Social Sciences)	22	-	-	5	-	-	2	5	10
Other (Child Care)	43	18	-	-	-	-	-	-	25
Other (Labor Studies)	1	-	-	1	-	-	-	-	-
ARTS AND SCIENCE TRANSFERS									
Arts and science transfers who enter four-year programs	2,466	183	4	106	1	28	51	1,372	721

Table 32.2

Employment Status by Degree Field for Associate Degree Recipients for Proprietary Institutions, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
			In Pa.	Outside Pa.	In Pa.	Outside Pa.				
DATA PROCESSING TECHNOLOGIES	Total	161	98	8	13	-	-	24	9	9
Data processing, technologies, general		133	85	2	12	-	-	19	7	8
Computer programmer technologies		28	13	6	1	-	-	5	2	1
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES										
Other, (Medical Secretarial Sciences)		31	24	1	3	-	-	1	2	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	890	425	187	70	8	15	100	19	66
Mechanical & engineering technologies, general		27	17	2	2	1	2	1	1	1
Aeronautical and aviation technologies		123	1	93	12	-	-	4	9	4
Engineering graphics (tool & machine drafting & design)		49	31	-	6	-	-	11	1	-
Architectural drafting technologies		67	38	3	7	-	1	14	1	3
Automotive technologies		118	68	5	3	-	1	6	2	33
Welding technologies		6	3	-	2	-	-	-	-	1
Electronics & machine tech. (television appliance, office machine repair, etc.)		268	136	74	17	-	5	28	2	6
Textile technologies		8	4	-	-	1	-	2	-	1
Mechanical technologies		13	11	-	1	-	-	-	-	1
Construction and building technologies (carpentry, electrical work, plumbing, sheetmetal, air conditioning, heating, etc.)		185	103	2	17	6	6	33	3	15
Other (Electrical & Power Tech.)		7	1	6	-	-	-	-	-	
Other (Mechanical Tech.)		5	3	-	1	-	-	-	-	1
Other (Construction Tech.)		10	7	2	1	-	-	-	-	-
Other (Interior Planning)		4	2	-	1	-	-	1	-	-
NATURAL SCIENCE TECHNOLOGIES										
Sanitation and public health inspection technologies (environmental health technologies)		3	2	-	-	-	-	1	-	-
BUSINESS AND COMMERCE TECHNOLOGIES	Total	605	405	30	14	1	1	47	79	28
Business and commerce technologies, general		195	114	6	8	1	-	20	39	7
Accounting technologies		185	117	13	3	-	-	13	33	6
Secretarial tech. (include office machines training)		225	174	11	3	-	1	14	7	15

Table 32.1

Employment Status by Degree Field for Associate Degree Recipients for Four-Year Colleges and Universities, 1976

HEGIS Degree Field		Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree	All Others
DATA PROCESSING TECHNOLOGIES	Total	81	8	11	5	-	2	14	17	24
Data processing, technologies, general		8	2	-	-	-	-	-	4	2
Key punch operator and other input preparation technologies		8	-	-	-	-	-	-	7	1
Computer programmer technologies		65	6	11	5	-	2	14	6	21
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	348	203	28	-	-	13	2	82	20
Dental assistant tech.		58	2	-	-	-	-	-	56	-
Dental hygiene tech.		55	30	-	-	-	12	-	13	-
Medical or biological laboratory assistant technologies		22	13	1	-	-	-	-	5	3
Radiologic technologies (X-ray, etc.)		31	17	-	-	-	1	1	-	12
Nursing, R.N. (less than 4-year program)		96	89	4	-	-	-	-	3	-
Medical record technologies		1	-	-	-	-	-	-	-	1
Medical assistant & medical office assistant tech.		16	10	3	-	-	-	1	1	1
Inhalation therapy tech.		27	13	11	-	-	-	-	-	3
Other (Respiratory Therapy)		7	5	2	-	-	-	-	-	-
Other (Physician Assistant)		35	24	7	-	-	-	-	4	-
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	789	176	71	62	8	10	88	221	144
Mechanical & engineering technologies, general		276	60	20	14	2	3	27	108	42
Aeronautical and aviation technologies		2	1	1	-	-	-	-	-	-
Architectural drafting technologies		36	7	-	6	-	-	6	9	8
Chemical technologies (include plastics)		16	7	2	2	-	-	1	2	2
Civil technologies (surveying photogrammetry, etc.)		75	19	7	5	-	1	4	23	16
Electronics & machine tech. (television applicance, office machine repair, etc.)		6	1	2	1	-	-	-	2	-
Industrial technologies		39	22	4	2	2	-	3	2	4
Mechanical technologies		10	6	2	1	-	-	-	1	-
Nuclear technologies		46	10	8	8	-	1	9	3	7
Construction and building technologies (carpentry, electrical work, plumbing, sheetmetal, air conditioning, heating, etc.)		1	-	1	-	-	-	-	-	-
Other (Metalurgical Technol.)		1	-	-	-	-	-	1	-	-
Other (Environ. Pollution Control)		1	-	1	-	-	-	-	-	-
Other (Unspecified)		1	-	-	1	-	-	-	-	-
NATURAL SCIENCE TECHNOLOGIES	Total	122	19	3	26	6	6	14	8	40
Agriculture technologies (include horticulture)		36	14	1	4	1	4	2	2	8
Forestry and wildlife technologies (include fisheries)		86	5	2	22	5	2	12	6	32
BUSINESS AND COMMERCE TECHNOLOGIES	Total	487	216	13	32	4	9	49	65	99
Business and commerce technologies, general		199	51	7	21	1	4	24	43	48
Accounting technologies		29	11	2	2	-	1	3	6	4
Marketing, distribution, purchasing, business & industrial management tech.		24	7	1	3	2	1	2	2	6
Secretarial tech. (include office machines training)		144	119	2	1	1	-	8	1	12
Communications & broadcasting tech. (radio/television, newspaper)		31	2	-	3	-	1	5	8	12
Hotel & restaurnt management technologies		16	5	-	-	-	-	2	1	8
Other (Real Estate)		2	-	-	-	-	-	-	-	2
Other (Unspecified)		42	21	1	2	-	2	5	4	7

Table 32.3

Employment Status by Degree Field for Associate Degree Recipients for Four-Year Colleges and Universities, 1976
(continued)

HEGIS Degree Field		Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Unemployed	Pursuing Advanced Degree	All Other
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	174	28	2	7	2	1	13	27	94
Public service technologies, general		51	-	-	1	-	-	-	-	50
Police, law enforcement, corrections technologies		60	18	2	4	-	1	2	16	17
Recreation and social work related technologies		37	3	-	2	2	-	9	3	18
Other (Unspecified)		26	7	-	-	-	-	2	8	9
ARTS AND SCIENCE TRANSFERS	Total	220	23	1	14	-	1	10	50	129
Arts and science transfers who enter four-year programs		31	15	1	4	-	-	-	11	8
Other (Unspecified)		189	8	-	10	-	1	10	39	121